

# Kuipers & Associates

Sarah Zuzulock, PE  
Senior Environmental Engineer  
[szuzulock@kuipersassoc.com](mailto:szuzulock@kuipersassoc.com)

PO Box 1859  
Bozeman, MT 59771

Phone: (406)585-9932  
Fax: (406)585-9889



Date: April 29, 2009

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring  
Opportunity and Warm Springs Sites  
March 2009 Monthly Report**

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This March 2009 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area. Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

Dustfall jars have been in place since October 17, 2008 at both sites to capture settling dust. The first set of reliable results was obtained in early March, and is attached to this report. At Opportunity, the calculated arsenic concentration was 128 mg/kg and the calculated lead concentration was approximately 60.7 mg/kg. At Warm Springs, the preliminary calculated arsenic concentration was 146 mg/kg and the calculated lead concentration was approximately 43.0 mg/kg. These results are of similar magnitude to those for previous settled dust samples that were collected using glass dishes.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from March 1<sup>st</sup> through March 31<sup>st</sup>, with 96.2% availability for TSP at the Opportunity location and 93.5% availability for PM10 at the Warm Springs location.
  - Downtime at the Opportunity location occurred on March 2 at 17:00 MST, and from March 12 at 12:00 MST through March 13 at 13:00 MST for calibrations and routine maintenance. Additional downtime occurred on March 31 at 09:00 MST due to a power outage.
  - Downtime at the Warm Springs location occurred on March 2 at 14:00 MST, from March 9 at 15:00 MST through March 11 at 12:00 MST, and on March 22 at 11:00 MST for calibrations and routine maintenance.

- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at: [http://anacondadeerlodge.mt.gov/super/info.aspx#q\\_reports](http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports).
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 32  $\mu\text{g}/\text{m}^3$ , and the average monthly concentration for March was 9  $\mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was 235  $\mu\text{g}/\text{m}^3$ . This value was associated with moderate west-northwest winds. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 16  $\mu\text{g}/\text{m}^3$ , and the average monthly concentration for March was 4  $\mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was 101  $\mu\text{g}/\text{m}^3$ . Wind data were not available for that hour due to icing, but surrounding data suggest northerly winds. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

**Table 1**  
**Opportunity Site TSP Maximum Data, March 2009**

Maximum	TSP ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	32	3/29/2009	10.4	353
Daily 2nd Max	17	3/16/2009	4.2	338
Daily 3rd Max	16	3/27/2009	6.1	254
Daily 4th Max	12	3/2/2009	6.5	169
Hourly 1st Max	235	3/27/2009 16:00	11.6	291
Hourly 2nd Max	159	3/29/2009 16:00	NO DATA	NO DATA
Hourly 3rd Max	151	3/16/2009 12:00	6.0	13
Hourly 4th Max	129	3/29/2009 12:00	NO DATA	NO DATA

**Table 2**  
**Warm Springs Site PM10 Maximum Data, March 2009**

Maximum	PM10 ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	16	3/29/2009	9.2	357
Daily 2nd Max	6	3/6/2009	3.4	17
Daily 3rd Max	6	3/19/2009	3.3	188
Daily 4th Max	5	3/20/2009	4.8	198
Hourly 1st Max	101	03/29/2009 01:00	NO DATA	NO DATA
Hourly 2nd Max	53	03/25/2009 18:00	10.7	341
Hourly 3rd Max	52	03/29/2009 16:00	14.5	351
Hourly 4th Max	44	03/29/2009 17:00	13.9	353

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was  $75 \mu\text{g}/\text{m}^3$ , the 24-hour standard was  $200 \mu\text{g}/\text{m}^3$  and there was no hourly standard. TSP results for March at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of March were well below the 24-hour Montana Ambient Air Quality Standard of  $150 \mu\text{g}/\text{m}^3$ . The average monthly concentration was below the annual PM10 standard of  $50 \mu\text{g}/\text{m}^3$ . There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was above average according to Butte airport records.
- Wind roses are attached to graphically depict prevailing winds.
  - Figure 1 shows the Opportunity location, where the predominant wind directions in March were southerly and southwesterly.
  - Figure 2 shows the Warm Springs location, where the predominant wind directions were southerly and northerly.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

**Dust Event Contacts:**

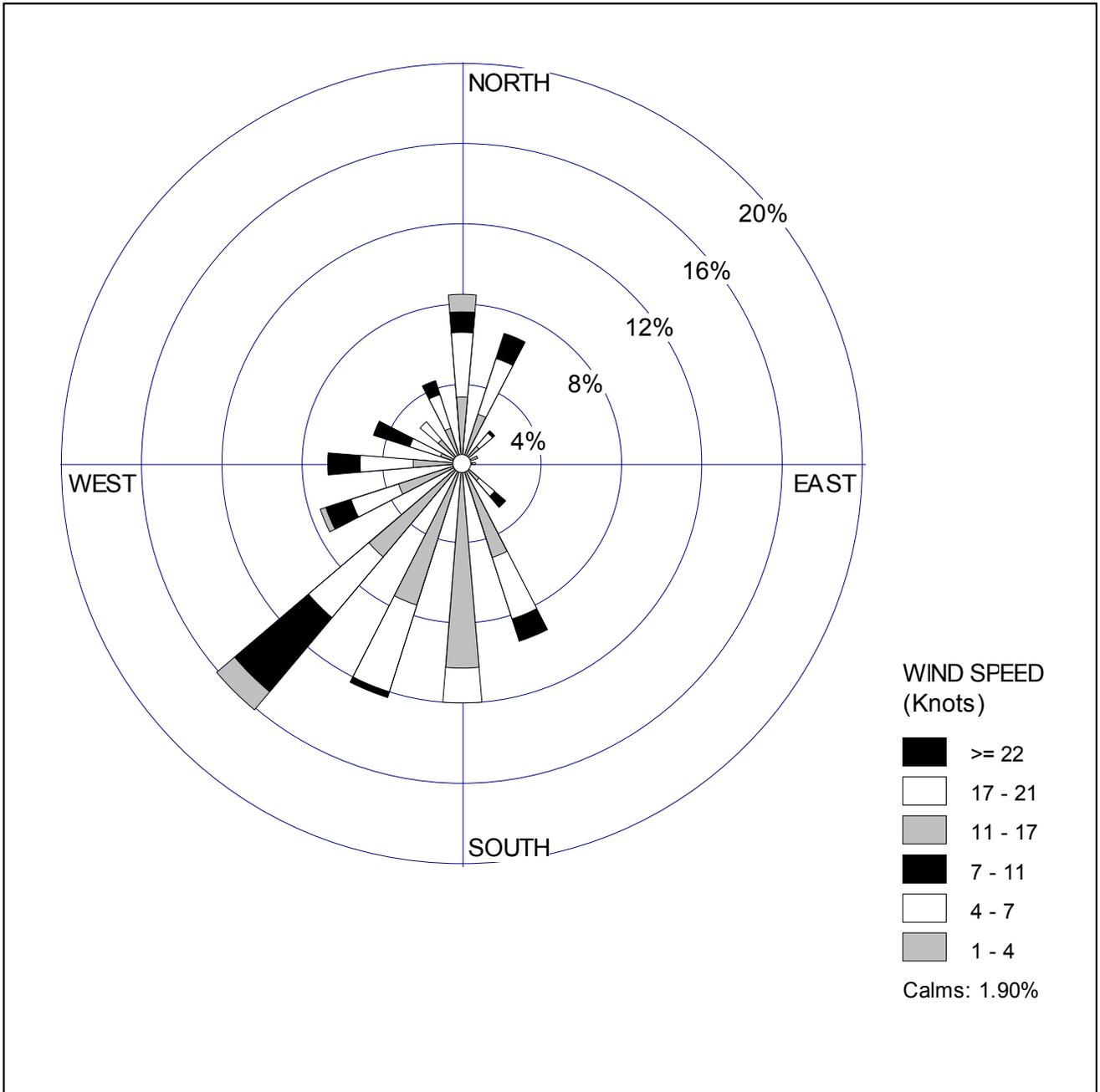
Steve Heck	498-4199
David Dobrinen	490-9205
Jim Kuipers	782-3441, then 459-0445
Sarah Zuzulock	585-9932, then 581-1355

**Table 3**  
**Opportunity Site Daily Average Data**

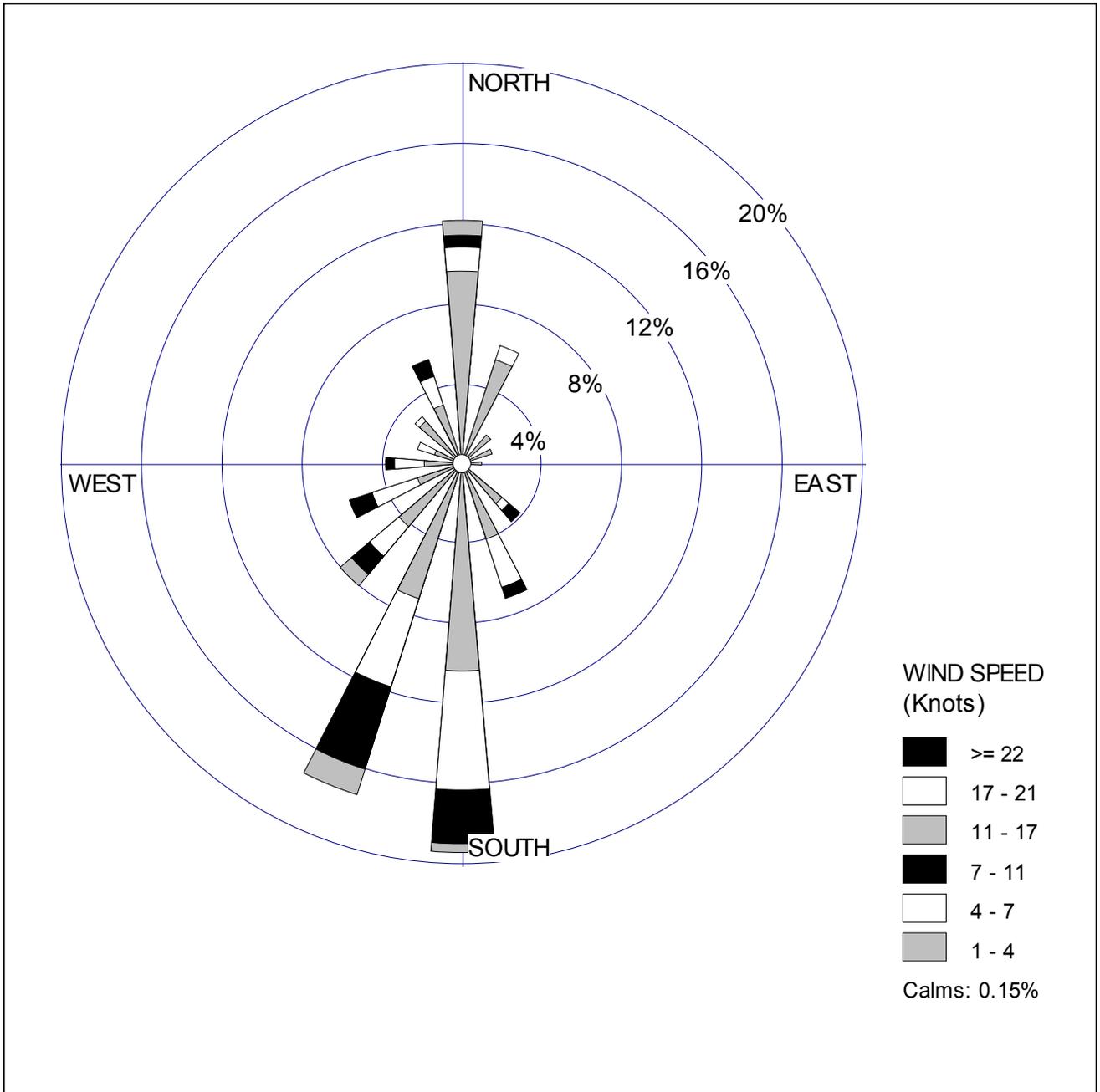
Date	TSP Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
March 1, 2009	4	2.0	4.6	201	4.6	40.2	45
March 2, 2009	12	2.9	6.5	169	8.1	46.5	44
March 3, 2009	5	2.0	4.6	209	3.7	38.7	72
March 4, 2009	4	1.9	4.2	238	0.2	32.3	72
March 5, 2009	8	2.8	6.3	217	-0.9	30.4	65
March 6, 2009	11	1.9	4.2	11	-8.4	16.8	73
March 7, 2009	7	4.1	9.1	220	-2.9	26.7	55
March 8, 2009	8	2.8	6.4	296	-6.4	20.5	60
March 9, 2009	12	2.2	5.0	100	-10.7	12.8	59
March 10, 2009	12	3.3	7.5	225	-8.8	16.1	50
March 11, 2009	7	2.1	4.7	28	-8.6	16.6	54
March 12, 2009	8	0.9	2.0	166	-11.9	10.6	66
March 13, 2009	8	3.5	7.7	226	5.9	42.7	27
March 14, 2009	9	2.7	6.0	210	4.6	40.4	34
March 15, 2009	6	3.2	7.1	225	3.7	38.6	58
March 16, 2009	17	1.9	4.2	338	-1.3	29.7	86
March 17, 2009	7	1.8	4.0	310	-2.7	27.2	70
March 18, 2009	10	1.2	2.6	41	-1.6	29.1	66
March 19, 2009	12	1.7	3.8	214	2.1	35.8	66
March 20, 2009	8	1.7	3.8	205	5.0	41.1	59
March 21, 2009	7	2.0	4.4	184	5.2	41.4	69
March 22, 2009	5	2.0	4.4	334	3.1	37.6	78
March 23, 2009	6	2.3	5.1	354	-0.3	31.5	76
March 24, 2009	3	1.9	4.1	287	-1.2	29.8	68
March 25, 2009	11	4.1	9.2	317	-2.4	27.6	65
March 26, 2009	6	1.9	4.3	358	-8.3	17.1	58
March 27, 2009	16	2.7	6.1	254	-1.2	29.8	51
March 28, 2009	2	2.0	4.4	256	2.8	37.1	65
March 29, 2009	32	4.6	10.4	353	-2.6	27.2	86
March 30, 2009	10	1.6	3.6	284	-5.2	22.6	69
March 31, 2009	3	2.7	6.0	252	-1.2	29.9	64

**Table 4**  
**Warm Springs Site Daily Average Data**

Date	PM10 Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
March 1, 2009	4	1.9	4.3	181	3.2	37.8	53
March 2, 2009	2	3.3	7.4	173	7.5	45.5	45
March 3, 2009	4	2.3	5.2	170	3.9	39.0	71
March 4, 2009	2	1.4	3.2	246	0.2	32.4	72
March 5, 2009	5	3.4	7.6	188	-0.7	30.7	66
March 6, 2009	6	1.5	3.4	17	-8.0	17.6	70
March 7, 2009	1	3.2	7.1	197	-3.2	26.3	58
March 8, 2009	1	2.3	5.1	271	-6.4	20.5	57
March 9, 2009	3	1.3	3.0	3	-12.3	9.9	57
March 10, 2009	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
March 11, 2009	4	1.6	3.6	12	-5.8	21.5	48
March 12, 2009	1	1.2	2.6	285	-7.2	19.0	57
March 13, 2009	3	2.6	5.7	201	-0.1	31.9	48
March 14, 2009	2	4.0	8.9	197	5.6	42.0	34
March 15, 2009	4	4.4	9.8	208	4.6	40.3	58
March 16, 2009	3	1.7	3.8	232	-0.5	31.2	81
March 17, 2009	3	1.9	4.3	235	-1.3	29.6	64
March 18, 2009	5	1.5	3.4	205	-1.0	30.1	69
March 19, 2009	6	1.5	3.3	188	2.5	36.4	69
March 20, 2009	5	2.1	4.8	198	6.4	43.4	60
March 21, 2009	4	2.1	4.6	176	5.9	42.6	69
March 22, 2009	1	1.6	3.5	357	3.8	38.8	75
March 23, 2009	4	1.4	3.1	44	-0.7	30.7	76
March 24, 2009	3	1.4	3.1	288	-2.4	27.6	73
March 25, 2009	2	2.8	6.3	318	-3.0	26.6	64
March 26, 2009	3	1.6	3.5	337	-8.9	16.0	58
March 27, 2009	1	2.3	5.2	231	-1.8	28.7	53
March 28, 2009	2	2.0	4.4	218	2.9	37.2	64
March 29, 2009	16	4.1	9.2	357	-3.0	26.6	86
March 30, 2009	4	1.7	3.9	268	-5.7	21.8	68
March 31, 2009	1	3.0	6.8	217	-1.5	29.3	65



**Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site March 2009.**



**Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site March 2009.**



**Blacktail Consulting, Inc.**

Air Quality / Meteorology / Data Quality

P.O. Box 4692  
Butte MT 59702  
USA

Ph (406) 498-4199  
sheck@rfwave.net

**MEMORANDUM – Opportunity / Warm Springs Dustfall Sampling Event – Rev.2**

**Submitted by Steve Heck, Blacktail Consulting, Inc.**

**April 10, 2009**

*This memorandum describes the preliminary results of initial dustfall sampling conducted at the Opportunity and Warm Springs air monitoring sites on behalf of Kuipers & Associates, and Anaconda-Deer Lodge County. All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Analytical method development has continued, due to issues with isopropyl alcohol contamination described herein.*

**1. Sample Collection**

On December 1, 2008, clean 6.75 inch diameter by 8.75 inch tall nalgene, polypropylene dustfall jars were installed at both sites at a height of approximately 8 feet to capture and retain settling dust. The jars were de-contaminated by the laboratory prior to use by cleaning them with laboratory soap, then rinsing them with nitric acid and deionized water. The jars were initially filled to a depth of 4 inches with a 50/50 mixture of deionized water (DI H<sub>2</sub>O) and 99.5% pure, ACS grade isopropyl alcohol (propanol) to prevent freezing. The jars were inspected during twice-weekly site visits; DI H<sub>2</sub>O and/or propanol were added as necessary to maintain a liquid level of at least an inch. At the end of the sampling period on January 6, 2009, the jars were covered with clean lids, and transported to the MSE laboratory for analysis. A field blank was also prepared by partially filling a clean jar with a 50/50 mixture of DI H<sub>2</sub>O and propanol and leaving it covered it for the duration of the sampling event.



**2. Analytical Procedures**

After delivery to the laboratory, the dustfall jar contents were transferred into 2,000 mL beakers, which then were covered with watchglasses and evaporated in a convection oven at a

temperature of 90 to 105°C. After the liquid evaporated down to approximately 100-200 mL, the contents were transferred to pre-weighed 300-mL beakers and evaporated to dryness. The beakers then were weighed to within 0.0001 grams to determine a net particulate residue weight. The residue was digested using SW-846 Method 3050B for soils, and analyzed for trace metals by ICP Mass Spectrometer (ICP-MS) using Method SW-846 6020A.

### **3. Raw Analytical Results**

The raw analytical results – presented in Part A of Table 1 – show the trace element concentrations in the liquid as received by the laboratory, the volume of liquid initially evaporated, and the net weight of solids after evaporation.

Because of concerns with previous field blank results, 50-mL aliquots of both isopropyl alcohol and deionized water were obtained directly from their containers (laboratory blank), then evaporated and brought up to 50 mL for ICP-MS analysis. The results (Part A of Table 1) show that both arsenic and zinc were present in the alcohol, requiring a blank correction as discussed in Section 4.

### **4. Trace Element Results with Blank Correction**

While the concentrations of arsenic and zinc are low with respect to alcohol volume, they are high enough to significantly affect the dustfall results because of the small amount of particulate collected, and the large amount of alcohol (6 liters) used in each dustfall bucket over the duration of the sampling period. To calculate the effect of these impurities on the submitted dustfall samples, one first must calculate amount of arsenic and zinc present. For the Field Blank, this is simple since that container was originally filled with one-half liter of alcohol; therefore 0.80 µg of arsenic and 0.62 µg of zinc were present. For the Opportunity and Warm Springs samples, a total of six liters of alcohol were added to each jar over the sample collection period (including initial setup); therefore, each sample collection jar contained 9.60 µg of arsenic and 7.44 µg of zinc.

An appropriate blank correction was made by 1) Calculating the mass of each trace element present in each submitted sample by multiplying the trace element concentration by the analyzed sample volume, then 2) Subtracting the arsenic and zinc mass contributions from the alcohol. Results are shown in Part B of Table 1.

### **5. Trace Element Concentrations in Dustfall Particulate**

The trace element concentrations in the collected dust were calculated by dividing the blank-corrected trace element weights by the total amount of particulate collected in each sample. Results are shown in Part C of Table 1, along with the laboratory reporting limit for each analyte. Because of the improved evaporation and weighing procedure, the results for arsenic and lead are much more consistent with other data than were the previous dustfall samples (which had weighing resolution issues).

The ARCO South sampler located adjacent to the ADLC Opportunity site monitors PM-10 every third day; in addition, selected exposed filters are also analyzed for arsenic and zinc. Dividing a given trace element concentration in an exposed filter by the PM-10 concentration should provide an indication of that element's concentration in the particulate matter collected by the filter. This calculation was made for all ARCO South sampler results for 2008, and results are presented in Table 2. On a total mass basis, the average arsenic concentration during 2008 was 140 mg/kg, while the average lead concentration was 188 mg/kg. Corresponding values at Opportunity during the December 1, 2008 – January 6, 2009 sampling period were 128 mg/kg for arsenic, and 60.7 mg/kg for lead. The results are not directly comparable, because 1) The ARCO samplers monitor PM-10, rather than total particulate, 2) The ARCO averages represent many discrete 24-hour samples throughout the year (whereas the dustfall result represents a 36-day continuous sample), and 3) The dustfall buckets by definition only capture dust that actually settles out of the air. Despite these differences, the results show very good order-of-magnitude agreement.

## **6. Calculation of Total Dustfall Rate**

Dustfall is expressed in units of  $\text{g}/\text{m}^2/\text{month}$ . With a diameter of 6.75 inches, the dustfall jars have a cross-sectional area of  $35.78 \text{ in}^2$ , or  $0.0231 \text{ m}^2$ . The Opportunity and Warm Springs samples had net particulate weights of 22.6 mg and 37.8 mg respectively, giving dustfall rates of  $0.98 \text{ g}/\text{m}^2$  and  $1.64 \text{ g}/\text{m}^2$  over the 36-day sample collection period. This equals  $0.82 \text{ g}/\text{m}^2/\text{month}$  at Opportunity, and  $1.37 \text{ g}/\text{m}^2/\text{month}$  at Warm Springs (based on a 30-day month). These values are quite low when compared to the Montana settleable particulate standard of  $10 \text{ g}/\text{m}^2/\text{month}$ .

## **7. Data Quality Issues and Recommendations for Future Sampling and Analysis**

The results herein can be presented with greater confidence than those for previous dustfall samples, because the new evaporation and weighing procedure provides much better resolution – less than one mg, versus as much as 0.02-0.03 g (20-30 mg) previously.

The use of isopropyl alcohol still introduces uncertainty into the arsenic and zinc results, even when a blank correction is used. While all of the isopropyl alcohol used for this sampling originated from the same lot, there is no guarantee that the arsenic and zinc concentrations ( $1.60 \text{ }\mu\text{g}/\text{L}$  and  $1.24 \text{ }\mu\text{g}/\text{L}$ , respectively) found in the 50 mL aliquot were uniform throughout the lot. It cannot even be stated with certainty that the distribution of those elements within a single bottle is uniform. Also, the levels of arsenic and zinc measured in the alcohol were less than five times the laboratory's corresponding method detection limits.

Other brands/grades of isopropyl alcohol could be evaluated for improved purity, though the brand that was used is considered a high grade. However, initial investigation has not identified an isopropyl alcohol source that will guarantee sufficiently low (e.g.,  $0.1 \text{ }\mu\text{g}/\text{L}$  or less) trace element concentrations. A couple of purportedly ultra-pure – and very costly – brands only specify trace element concentrations at 10 ppb or less. Therefore, isopropyl alcohol will not be used for the remainder of the 2008-2009 winter season. The use of isopropyl alcohol may be considered for the 2009-2010 winter season, if a source of proven quality can be identified. The effect of freezing on the dustfall jars' particulate collection efficiency has not been

evaluated. To this end, duplicate dustfall jars were installed at Opportunity on January 6, 2009, and retrieved on March 2. One contained a mixture of DI water and alcohol, while the second jar contains DI water only – which will be allowed to freeze and thaw. Both jars have been submitted for analysis, and the total particulate and trace element results will be compared.

**TABLE 1 -- SUMMARY OF OPPORTUNITY / WARM SPRINGS DUSTFALL RESULTS**  
(Sample collected from 12-1-2008 to 1-6-2009)

**A. Analytical Results**

Analyte	Opportunity (ug/L)	Warm Springs (ug/L)	Field Blank (ug/L)	Alcohol Blank (ug/L)	DI Water Blank (ug/L)
As	10.2	13.5	0.429	1.60	ND
Cd	0.168	0.109	0.063	ND	ND
Cu	8.35	13.9	0.082	ND	ND
Pb	1.12	1.45	0.008	ND	ND
Zn	13.9	21.4	0.266	1.24	ND
	<b>Opportunity</b>	<b>Warm Springs</b>	<b>Field Blank</b>	<b>Alcohol Blank</b>	<b>DI Water Blank</b>
Sample Volume (mL)	1225	1120	1440	50 mL	50 mL
Solids Weight (mg)	22.6	37.8	1.0	N/A	N/A
Solids (mg/L)	18.4	33.8	0.7	N/A	N/A

ND = Not Detected; NA = Not Applicable

**B. Trace Element Results With Blank Correction (total trace element mass)**

Analyte	Opportunity Total (ug)	Opportunity Net (ug)	Warm Springs Total (ug)	Warm Springs Net (ug)	Field Blank Total (ug)	Field Blank Net (ug)
As	12.5	2.90	15.12	5.52	0.618	-0.182
Cd	0.206	0.206	0.122	0.122	0.091	0.091
Cu	10.2	10.2	15.6	15.6	0.118	0.118
Pb	1.37	1.37	1.62	1.62	0.012	0.012
Zn	17.0	9.59	24.0	16.5	0.383	-0.237
Volume of alcohol used for sample (L)	Opportunity 6.0		Warm Springs 6.0		Field Blank 0.5	

**C. Trace Element Results With Blank Correction (trace element mass per particulate mass)**

Analyte	Opportunity Total (mg/kg)	<b>Opportunity Net (mg/kg)</b>	Reporting Limit (mg/kg)	Warm Springs Total (mg/kg)	<b>Warm Springs Net (mg/kg)</b>	Reporting Limit (mg/kg)
As	553	<b>128</b>	3.32	400	<b>146</b>	1.98
Cd	9.11	<b>9.11</b>	0.221	3.23	<b>3.23</b>	0.132
Cu	453	<b>453</b>	2.77	412	<b>412</b>	1.65
Pb	60.7	<b>60.7</b>	0.442	43.0	<b>43.0</b>	0.265
Zn	753	<b>424</b>	6.64	634	<b>437</b>	3.97

**TABLE 2 -- ARCO PM-10/TRACE ELEMENT RESULTS AT OPPORTUNITY - CALENDAR YEAR 2008**

DATE	ARCO Pb (ug/m3 E-3)	ARCO As (ug/m3 E-3)	ARCO PM-10 (ug/m3)	Pb mg/kg	As mg/kg
1/19/2008	1.31	0.15	3	436.7	50.0
1/28/2008	1.28	1.28	4	320.0	320.0
2/6/2008	1.3	1.3	1	1300.0	1300.0
2/15/2008	0.15	0.15	2	75.0	75.0
2/21/2008	1.91	0.64	9	212.2	71.1
2/24/2008	0.15	0.15	3	50.0	50.0
3/4/2008	0.64	0.15	3	213.3	50.0
3/13/2008	1.93	0.15	3	643.3	50.0
3/22/2008	1.89	0.15	3	630.0	50.0
3/31/2008	1.93	1.28	5	386.0	256.0
4/9/2008	3.17	1.27	5	634.0	254.0
4/18/2008	3.81	1.9	8	476.3	237.5
4/27/2008	2.49	1.24	10	249.0	124.0
5/6/2008	1.94	1.29	9	215.6	143.3
5/15/2008	0.62	0.62	3	206.7	206.7
5/18/2008	1.28	0.64	11	116.4	58.2
5/24/2008	0.65	0.65	2	325.0	325.0
6/2/2008	1.25	1.87	6	208.3	311.7
6/11/2008	0.15	0.15	4	37.5	37.5
6/29/2008	1.26	1.26	12	105.0	105.0
7/8/2008	1.23	1.23	13	94.6	94.6
7/17/2008	1.2	1.2	14	85.7	85.7
7/26/2008	1.26	1.26	15	84.0	84.0
8/4/2008	0.61	1.82	8	76.3	227.5
8/13/2008	1.28	1.28	9	142.2	142.2
8/19/2008	1.9	2.53	31	61.3	81.6
8/22/2008	0.15	1.22	1	150.0	1220.0
8/31/2008	0.63	1.26	3	210.0	420.0
9/9/2008	2.43	2.43	8	303.8	303.8
9/18/2008	1.21	1.21	13	93.1	93.1
9/27/2008	1.21	1.21	8	151.3	151.3
10/6/2008	0.62	0.62	5	124.0	124.0
10/15/2008	0.61	0.61	6	101.7	101.7
10/24/2008	1.25	0.62	7	178.6	88.6
10/27/2008	3.04	1.82	14	217.1	130.0
11/2/2008	1.21	1.82	4	302.5	455.0
11/11/2008	0.62	0.15	4	155.0	37.5
11/20/2008	1.23	0.15	5	246.0	30.0
11/29/2008	0.15	0.15	2	75.0	75.0
12/8/2008	0.63	0.63	4	157.5	157.5
12/17/2008	1.96	0.15	3	653.3	50.0
12/26/2008	0.15	0.15	2	75.0	75.0
Sum of weights	53.69	39.810	285.00		
<b>AVG mg/kg</b>	<b>188</b>	<b>140</b>		<b>252</b>	<b>198</b>
	<b>(Total weight basis)</b>			<b>(Average of daily mg/kg)</b>	

Days with PM-10 result of zero were excluded

A value of 0.15 denotes non-detect; representing 1/2 of detection limit of 0.30

**Table 5**  
**Opportunity Site Hourly Average Data**  
**Met One E-BAM**  
**March 2009**

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m <sup>3</sup> )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/1/2009 1:00	2	0.9	2.0	280	-4.3	24.3	71
3/1/2009 2:00	-4	1.5	3.4	219	-1.6	29.1	60
3/1/2009 3:00	0	2.3	5.1	205	1.4	34.5	41
3/1/2009 4:00	1	2.0	4.5	198	1.6	34.9	43
3/1/2009 5:00	-1	2.9	6.5	177	1.6	34.9	46
3/1/2009 6:00	-3	2.6	5.8	194	1.3	34.3	47
3/1/2009 7:00	4	2.0	4.5	192	1.0	33.8	47
3/1/2009 8:00	-4	2.1	4.7	198	1.4	34.5	47
3/1/2009 9:00	-4	2.5	5.6	196	3.2	37.8	41
3/1/2009 10:00	-1	3.9	8.7	152	5.9	42.6	33
3/1/2009 11:00	6	3.2	7.2	164	9.1	48.4	26
3/1/2009 12:00	6	2.2	4.9	196	10.0	50.0	23
3/1/2009 13:00	3	2.4	5.4	221	11.6	52.9	20
3/1/2009 14:00	3	2.6	5.8	208	13.2	55.8	17
3/1/2009 15:00	3	3.1	6.9	204	12.6	54.7	18
3/1/2009 16:00	7	2.9	6.5	217	12.6	54.7	20
3/1/2009 17:00	15	2.4	5.4	261	11.1	52.0	30
3/1/2009 18:00	5	1.5	3.4	7	5.9	42.6	53
3/1/2009 19:00	2	0.9	2.0	337	4.6	40.3	58
3/1/2009 20:00	10	0.7	1.6	322	2.6	36.7	66
3/1/2009 21:00	5	0.9	2.0	253	0.8	33.4	72
3/1/2009 22:00	22	0.9	2.0	189	-0.4	31.3	76
3/1/2009 23:00	8	1.2	2.7	192	1.4	34.5	64
3/2/2009 0:00	2	1.3	2.9	202	3.3	37.9	54
3/2/2009 1:00	15	1.3	2.9	193	3.1	37.6	53
3/2/2009 2:00	4	1.5	3.4	205	2.7	36.9	56
3/2/2009 3:00	5	1.9	4.3	190	2.5	36.5	56
3/2/2009 4:00	3	2.0	4.5	188	2.3	36.1	57
3/2/2009 5:00	1	1.8	4.0	194	2.8	37.0	55
3/2/2009 6:00	4	1.6	3.6	191	2.5	36.5	57
3/2/2009 7:00	-3	3.7	8.3	156	3.0	37.4	54
3/2/2009 8:00	4	2.0	4.5	184	3.2	37.8	54
3/2/2009 9:00	9	2.2	4.9	176	4.8	40.6	48
3/2/2009 10:00	12	2.7	6.0	168	6.7	44.1	43
3/2/2009 11:00	18	2.8	6.3	167	9.0	48.2	38
3/2/2009 12:00	8	2.6	5.8	189	11.5	52.7	32
3/2/2009 13:00	10	3.0	6.7	199	13.8	56.8	29
3/2/2009 14:00	11	4.4	9.8	234	14.4	57.9	29
3/2/2009 15:00	5	4.3	9.6	248	14.8	58.6	29
3/2/2009 16:00	7	2.4	5.4	126	15.7	60.3	25
3/2/2009 17:00	BA	1.4	3.1	163	15.5	59.9	24
3/2/2009 18:00	15	2.2	4.9	152	12.7	54.9	34
3/2/2009 19:00	13	3.7	8.3	155	10.7	51.3	38
3/2/2009 20:00	15	4.2	9.4	136	9.3	48.7	41
3/2/2009 21:00	93	5.1	11.4	158	9.2	48.6	42
3/2/2009 22:00	14	4.6	10.3	127	7.9	46.2	52
3/2/2009 23:00	10	4.9	11.0	132	7.6	45.7	59
3/3/2009 0:00	4	3.0	6.7	141	7.6	45.7	59
3/3/2009 1:00	1	2.0	4.5	100	7.1	44.8	61
3/3/2009 2:00	5	2.3	5.1	225	6.4	43.5	69
3/3/2009 3:00	-4	1.5	3.4	208	5.4	41.7	78
3/3/2009 4:00	-2	2.4	5.4	259	4.9	40.8	75
3/3/2009 5:00	2	1.1	2.5	272	3.8	38.8	78
3/3/2009 6:00	2	1.0	2.2	161	3.4	38.1	80
3/3/2009 7:00	3	0.8	1.8	181	2.2	36.0	82
3/3/2009 8:00	4	1.3	2.9	170	3.5	38.3	74
3/3/2009 9:00	3	1.7	3.8	159	5.3	41.5	65
3/3/2009 10:00	-2	1.7	3.8	201	7.2	45.0	56
3/3/2009 11:00	4	3.6	8.1	220	8.4	47.1	47
3/3/2009 12:00	5	4.2	9.4	222	9.1	48.4	41
3/3/2009 13:00	1	4.5	10.1	224	9.5	49.1	35
3/3/2009 14:00	9	3.4	7.6	220	7.5	45.5	47
3/3/2009 15:00	47	4.6	10.3	301	2.9	37.2	74
3/3/2009 16:00	13	1.3	2.9	26	0.7	33.3	89
3/3/2009 17:00	7	1.0	2.2	105	1.5	34.7	85
3/3/2009 18:00	8	1.1	2.5	185	1.2	34.2	85
3/3/2009 19:00	6	1.3	2.9	168	0.6	33.1	88
3/3/2009 20:00	5	1.6	3.6	187	-0.1	31.8	86
3/3/2009 21:00	-3	1.8	4.0	173	0.2	32.4	83
3/3/2009 22:00	4	2.0	4.5	172	0.1	32.2	83
3/3/2009 23:00	5	1.5	3.4	197	-0.4	31.3	82
3/4/2009 0:00	7	1.4	3.1	177	-0.6	30.9	82
3/4/2009 1:00	1	1.8	4.0	175	-0.3	31.5	80
3/4/2009 2:00	1	1.4	3.1	189	-1.3	29.7	81
3/4/2009 3:00	10	1.5	3.4	193	-1.5	29.3	80
3/4/2009 4:00	3	1.8	4.0	190	-1.8	28.8	80
3/4/2009 5:00	8	2.1	4.7	178	-1.4	29.5	78
3/4/2009 6:00	2	2.5	5.6	166	-1.5	29.3	77
3/4/2009 7:00	0	2.7	6.0	156	-1.9	28.6	78
3/4/2009 8:00	2	2.3	5.1	164	-1.6	29.1	77
3/4/2009 9:00	-3	1.6	3.6	189	-0.9	30.4	75
3/4/2009 10:00	5	0.7	1.6	177	0.5	32.9	69
3/4/2009 11:00	13	1.4	3.1	4	1.0	33.8	71
3/4/2009 12:00	0	2.7	6.0	26	0.5	32.9	76
3/4/2009 13:00	1	1.9	4.3	358	1.1	34.0	73

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/4/2009 14:00	6	1.3	2.9	331	1.7	35.1	71
3/4/2009 15:00	4	1.5	3.4	353	2.5	36.5	69
3/4/2009 16:00	3	2.2	4.9	11	2.7	36.9	68
3/4/2009 17:00	7	2.2	4.9	1	2.4	36.3	71
3/4/2009 18:00	-3	1.7	3.8	353	2.1	35.8	69
3/4/2009 19:00	3	2.8	6.3	277	2.3	36.1	59
3/4/2009 20:00	3	3.6	8.1	283	1.9	35.4	61
3/4/2009 21:00	5	2.2	4.9	260	1.3	34.3	62
3/4/2009 22:00	9	0.9	2.0	176	0.0	32.0	67
3/4/2009 23:00	5	1.0	2.2	244	-1.2	29.8	68
3/5/2009 0:00	10	1.0	2.2	221	-2.4	27.7	70
3/5/2009 1:00	5	0.5	1.1	161	-3.2	26.2	73
3/5/2009 2:00	0	0.8	1.8	262	-3.6	25.5	74
3/5/2009 3:00	10	1.1	2.5	162	-2.7	27.1	69
3/5/2009 4:00	1	0.9	2.0	135	-2.2	28.0	68
3/5/2009 5:00	1	1.3	2.9	209	-1.1	30.0	62
3/5/2009 6:00	-1	1.3	2.9	193	-1.3	29.7	66
3/5/2009 7:00	2	1.3	2.9	214	-1.8	28.8	70
3/5/2009 8:00	-3	1.3	2.9	158	-2.3	27.9	71
3/5/2009 9:00	-1	2.5	5.6	211	-0.7	30.7	62
3/5/2009 10:00	2	4.0	8.9	219	-0.4	31.3	56
3/5/2009 11:00	4	3.9	8.7	223	0.5	32.9	55
3/5/2009 12:00	18	4.3	9.6	217	0.8	33.4	61
3/5/2009 13:00	15	3.3	7.4	209	0.4	32.7	65
3/5/2009 14:00	63	4.7	10.5	217	1.0	33.8	62
3/5/2009 15:00	28	5.8	13.0	232	0.5	32.9	62
3/5/2009 16:00	3	5.4	12.1	233	0.9	33.6	59
3/5/2009 17:00	17	5.9	13.2	225	0.8	33.4	56
3/5/2009 18:00	7	5.2	11.6	222	0.7	33.3	54
3/5/2009 19:00	0	3.5	7.8	212	0.0	32.0	56
3/5/2009 20:00	3	3.0	6.7	219	-0.3	31.5	57
3/5/2009 21:00	0	2.2	4.9	213	-1.0	30.2	65
3/5/2009 22:00	13	2.0	4.5	156	-1.5	29.3	72
3/5/2009 23:00	18	1.5	3.4	227	-2.3	27.9	79
3/6/2009 0:00	-5	1.7	3.8	260	-3.1	26.4	83
3/6/2009 1:00	18	1.5	3.4	151	-3.4	25.9	87
3/6/2009 2:00	8	2.3	5.1	53	-5.7	21.7	85
3/6/2009 3:00	24	4.0	8.9	15	-9.8	14.4	80
3/6/2009 4:00	60	2.9	6.5	13	-10.9	12.4	79
3/6/2009 5:00	64	3.0	6.7	11	-11.8	10.8	79
3/6/2009 6:00	-5	2.9	6.5	7	-12.7	9.1	79
3/6/2009 7:00	6	2.7	6.0	11	-13.4	7.9	78
3/6/2009 8:00	3	2.0	4.5	6	-13.9	7.0	78
3/6/2009 9:00	-3	1.2	2.7	337	-13.4	7.9	78
3/6/2009 10:00	-4	1.0	2.2	338	-12.0	10.4	79
3/6/2009 11:00	10	0.8	1.8	41	-9.1	15.6	76
3/6/2009 12:00	11	1.1	2.5	45	-7.6	18.3	69
3/6/2009 13:00	5	2.0	4.5	28	-7.3	18.9	65
3/6/2009 14:00	-1	2.0	4.5	20	-6.1	21.0	66
3/6/2009 15:00	14	2.0	4.5	19	-5.2	22.6	64
3/6/2009 16:00	9	2.4	5.4	19	-4.1	24.6	61
3/6/2009 17:00	-2	2.0	4.5	359	-3.4	25.9	57
3/6/2009 18:00	6	1.3	2.9	318	-3.3	26.1	57
3/6/2009 19:00	8	1.1	2.5	247	-5.9	21.4	68
3/6/2009 20:00	10	0.8	1.8	225	-7.6	18.3	75
3/6/2009 21:00	10	0.9	2.0	179	-9.0	15.8	78
3/6/2009 22:00	13	0.9	2.0	179	-10.1	13.8	80
3/6/2009 23:00	3	1.2	2.7	153	-10.4	13.3	77
3/7/2009 0:00	1	3.4	7.6	234	-6.6	20.1	61
3/7/2009 1:00	-2	3.8	8.5	229	-6.7	19.9	59
3/7/2009 2:00	1	3.5	7.8	220	-7.1	19.2	60
3/7/2009 3:00	2	2.0	4.5	179	-9.1	15.6	67
3/7/2009 4:00	3	3.5	7.8	205	-7.9	17.8	61
3/7/2009 5:00	-5	3.0	6.7	204	-8.1	17.4	62
3/7/2009 6:00	1	2.3	5.1	190	-8.6	16.5	64
3/7/2009 7:00	-2	1.8	4.0	188	-8.8	16.2	66
3/7/2009 8:00	-5	2.4	5.4	190	-7.5	18.5	61
3/7/2009 9:00	-4	2.9	6.5	199	-5.7	21.7	56
3/7/2009 10:00	4	5.1	11.4	225	-5.2	22.6	54
3/7/2009 11:00	1	5.1	11.4	221	-3.3	26.1	49
3/7/2009 12:00	3	4.1	9.2	212	-0.7	30.7	41
3/7/2009 13:00	11	5.5	12.3	219	0.2	32.4	39
3/7/2009 14:00	12	7.0	15.7	225	1.1	34.0	41
3/7/2009 15:00	7	7.9	17.7	227	1.9	35.4	41
3/7/2009 16:00	4	6.4	14.3	225	2.6	36.7	42
3/7/2009 17:00	4	6.5	14.5	227	2.9	37.2	43
3/7/2009 18:00	5	6.2	13.9	233	2.4	36.3	45
3/7/2009 19:00	0	3.6	8.1	231	1.4	34.5	49
3/7/2009 20:00	1	2.2	4.9	243	0.3	32.5	57
3/7/2009 21:00	5	2.1	4.7	256	-0.3	31.5	67
3/7/2009 22:00	3	2.8	6.3	195	-0.6	30.9	61
3/7/2009 23:00	5	3.8	8.5	207	-0.8	30.6	58
3/8/2009 0:00	122	4.5	10.1	235	-2.7	27.1	70
3/8/2009 1:00	-5	3.9	8.7	277	-4.6	23.7	72
3/8/2009 2:00	0	2.8	6.3	283	-4.7	23.5	66
3/8/2009 3:00	1	2.5	5.6	281	-4.7	23.5	65
3/8/2009 4:00	1	1.6	3.6	246	-4.8	23.4	66
3/8/2009 5:00	4	1.2	2.7	218	-5.2	22.6	74
3/8/2009 6:00	3	1.0	2.2	158	-5.5	22.1	81
3/8/2009 7:00	0	1.5	3.4	227	-5.2	22.6	70

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m <sup>3</sup> )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/8/2009 8:00	-2	2.2	4.9	220	-5.4	22.3	57
3/8/2009 9:00	-5	3.0	6.7	233	-4.3	24.3	44
3/8/2009 10:00	-5	4.6	10.3	236	-3.5	25.7	41
3/8/2009 11:00	2	3.1	6.9	221	-2.6	27.3	33
3/8/2009 12:00	3	3.7	8.3	257	-1.8	28.8	31
3/8/2009 13:00	-1	3.5	7.8	274	-2.2	28.0	33
3/8/2009 14:00	10	3.5	7.8	249	-2.3	27.9	44
3/8/2009 15:00	11	3.3	7.4	273	-2.4	27.7	42
3/8/2009 16:00	48	4.0	8.9	15	-5.3	22.5	60
3/8/2009 17:00	35	4.5	10.1	8	-7.0	19.4	65
3/8/2009 18:00	67	4.0	8.9	21	-9.0	15.8	76
3/8/2009 19:00	3	2.7	6.0	3	-9.7	14.5	75
3/8/2009 20:00	3	2.4	5.4	16	-11.2	11.8	73
3/8/2009 21:00	4	2.6	5.8	22	-12.4	9.7	69
3/8/2009 22:00	2	2.4	5.4	5	-13.3	8.1	68
3/8/2009 23:00	2	2.1	4.7	10	-13.3	8.1	67
3/9/2009 0:00	-1	2.2	4.9	12	-13.5	7.7	67
3/9/2009 1:00	-1	1.7	3.8	6	-13.5	7.7	67
3/9/2009 2:00	3	2.1	4.7	10	-13.7	7.3	66
3/9/2009 3:00	3	2.5	5.6	24	-14.1	6.6	66
3/9/2009 4:00	2	2.8	6.3	26	-14.7	5.5	66
3/9/2009 5:00	-1	2.0	4.5	17	-15.0	5.0	66
3/9/2009 6:00	1	1.5	3.4	17	-15.0	5.0	67
3/9/2009 7:00	12	1.3	2.9	13	-15.1	4.8	67
3/9/2009 8:00	39	1.2	2.7	12	-15.0	5.0	67
3/9/2009 9:00	65	1.0	2.2	355	-14.2	6.4	64
3/9/2009 10:00	39	0.9	2.0	100	-12.6	9.3	60
3/9/2009 11:00	16	1.3	2.9	57	-10.8	12.6	58
3/9/2009 12:00	2	2.2	4.9	126	-8.8	16.2	54
3/9/2009 13:00	10	2.4	5.4	146	-7.2	19.0	49
3/9/2009 14:00	3	2.7	6.0	152	-5.6	21.9	46
3/9/2009 15:00	9	2.9	6.5	156	-4.6	23.7	44
3/9/2009 16:00	5	2.8	6.3	158	-4.1	24.6	44
3/9/2009 17:00	20	2.8	6.3	79	-4.9	23.2	47
3/9/2009 18:00	16	2.6	5.8	17	-7.3	18.9	57
3/9/2009 19:00	7	2.5	5.6	108	-8.0	17.6	60
3/9/2009 20:00	0	3.1	6.9	139	-8.6	16.5	59
3/9/2009 21:00	9	3.2	7.2	155	-9.5	14.9	58
3/9/2009 22:00	8	3.3	7.4	137	-10.4	13.3	59
3/9/2009 23:00	7	2.4	5.4	156	-11.3	11.7	61
3/10/2009 0:00	9	2.3	5.1	161	-11.7	10.9	63
3/10/2009 1:00	4	2.3	5.1	171	-12.0	10.4	66
3/10/2009 2:00	2	3.0	6.7	161	-12.3	9.9	65
3/10/2009 3:00	4	2.8	6.3	167	-12.4	9.7	65
3/10/2009 4:00	3	3.5	7.8	155	-12.4	9.7	65
3/10/2009 5:00	40	3.9	8.7	157	-12.5	9.5	66
3/10/2009 6:00	14	4.0	8.9	160	-12.7	9.1	65
3/10/2009 7:00	13	3.7	8.3	161	-12.7	9.1	65
3/10/2009 8:00	1	3.1	6.9	161	-12.1	10.2	64
3/10/2009 9:00	3	3.6	8.1	161	-10.2	13.6	58
3/10/2009 10:00	1	2.8	6.3	173	-6.8	19.8	48
3/10/2009 11:00	6	3.9	8.7	218	-5.7	21.7	45
3/10/2009 12:00	14	3.9	8.7	269	-5.3	22.5	41
3/10/2009 13:00	34	3.9	8.7	277	-4.7	23.5	37
3/10/2009 14:00	28	5.2	11.6	262	-4.2	24.4	31
3/10/2009 15:00	82	4.5	10.1	287	-5.0	23.0	44
3/10/2009 16:00	19	4.6	10.3	278	-4.6	23.7	36
3/10/2009 17:00	8	4.5	10.1	279	-4.9	23.2	33
3/10/2009 18:00	3	4.6	10.3	273	-5.8	21.6	33
3/10/2009 19:00	1	3.7	8.3	275	-7.1	19.2	37
3/10/2009 20:00	-2	2.8	6.3	275	-7.9	17.8	42
3/10/2009 21:00	-3	2.3	5.1	265	-8.7	16.3	43
3/10/2009 22:00	10	1.2	2.7	195	-10.6	12.9	52
3/10/2009 23:00	-3	1.0	2.2	206	-10.9	12.4	56
3/11/2009 0:00	3	1.5	3.4	230	-10.8	12.6	54
3/11/2009 1:00	-5	1.8	4.0	233	-11.0	12.2	55
3/11/2009 2:00	28	1.0	2.2	121	-12.6	9.3	61
3/11/2009 3:00	9	0.7	1.6	226	-14.7	5.5	68
3/11/2009 4:00	6	0.7	1.6	202	-15.5	4.1	70
3/11/2009 5:00	8	0.7	1.6	215	-16.7	1.9	74
3/11/2009 6:00	2	0.8	1.8	244	-16.3	2.7	73
3/11/2009 7:00	2	0.7	1.6	228	-16.2	2.8	73
3/11/2009 8:00	-4	1.6	3.6	168	-14.1	6.6	69
3/11/2009 9:00	1	2.9	6.5	161	-10.1	13.8	59
3/11/2009 10:00	-3	2.7	6.0	157	-7.2	19.0	49
3/11/2009 11:00	7	2.2	4.9	165	-4.4	24.1	39
3/11/2009 12:00	17	1.8	4.0	136	-2.6	27.3	34
3/11/2009 13:00	13	4.1	9.2	19	-3.2	26.2	42
3/11/2009 14:00	9	3.7	8.3	14	-2.5	27.5	38
3/11/2009 15:00	11	3.8	8.5	17	-1.7	28.9	35
3/11/2009 16:00	4	4.2	9.4	11	-1.2	29.8	33
3/11/2009 17:00	2	4.9	11.0	15	-2.5	27.5	37
3/11/2009 18:00	1	4.3	9.6	18	-3.2	26.2	40
3/11/2009 19:00	7	2.7	6.0	15	-4.0	24.8	42
3/11/2009 20:00	14	0.9	2.0	271	-6.0	21.2	47
3/11/2009 21:00	0	1.2	2.7	243	-7.2	19.0	53
3/11/2009 22:00	12	1.1	2.5	217	-9.0	15.8	61
3/11/2009 23:00	14	0.7	1.6	211	-11.6	11.1	71
3/12/2009 0:00	13	0.7	1.6	223	-12.4	9.7	71
3/12/2009 1:00	14	0.8	1.8	198	-12.5	9.5	72

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/12/2009 2:00	4	0.7	1.6	185	-13.5	7.7	74
3/12/2009 3:00	5	0.7	1.6	187	-13.6	7.5	73
3/12/2009 4:00	6	1.0	2.2	178	-14.0	6.8	73
3/12/2009 5:00	-1	0.7	1.6	202	-14.6	5.7	73
3/12/2009 6:00	-2	0.6	1.3	229	-14.6	5.7	73
3/12/2009 7:00	12	0.6	1.3	196	-15.0	5.0	74
3/12/2009 8:00	3	1.2	2.7	154	-13.8	7.2	69
3/12/2009 9:00	19	1.2	2.7	153	-9.3	15.3	61
3/12/2009 10:00	16	1.0	2.2	145	-6.0	21.2	47
3/12/2009 11:00	9	1.5	3.4	90	-3.8	25.2	41
3/12/2009 12:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 13:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 14:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 15:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 16:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 17:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 18:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 19:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 20:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 21:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 22:00	BA	BA	BA	BA	BA	BA	BA
3/12/2009 23:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 0:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 1:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 2:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 3:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 4:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 5:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 6:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 7:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 8:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 9:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 10:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 11:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 12:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 13:00	BA	BA	BA	BA	BA	BA	BA
3/13/2009 14:00	28	4.9	11.0	223	7.9	46.2	20
3/13/2009 15:00	13	4.5	10.1	229	8.4	47.1	21
3/13/2009 16:00	19	5.5	12.3	236	9.0	48.2	20
3/13/2009 17:00	5	5.3	11.9	236	9.1	48.4	19
3/13/2009 18:00	13	4.9	11.0	239	8.0	46.4	22
3/13/2009 19:00	3	3.2	7.2	233	6.1	43.0	26
3/13/2009 20:00	1	2.1	4.7	233	4.1	39.4	31
3/13/2009 21:00	6	1.6	3.6	191	3.5	38.3	33
3/13/2009 22:00	-5	2.1	4.7	198	3.6	38.5	32
3/13/2009 23:00	6	2.1	4.7	193	3.0	37.4	34
3/14/2009 0:00	1	1.9	4.3	202	2.5	36.5	37
3/14/2009 1:00	7	2.4	5.4	176	2.3	36.1	38
3/14/2009 2:00	4	2.4	5.4	173	1.6	34.9	38
3/14/2009 3:00	1	2.0	4.5	189	0.8	33.4	39
3/14/2009 4:00	2	2.1	4.7	208	0.6	33.1	40
3/14/2009 5:00	0	2.3	5.1	203	1.0	33.8	37
3/14/2009 6:00	7	2.6	5.8	195	0.5	32.9	38
3/14/2009 7:00	-2	2.0	4.5	189	0.5	32.9	37
3/14/2009 8:00	-5	1.6	3.6	179	0.6	33.1	37
3/14/2009 9:00	4	2.6	5.8	204	4.1	39.4	25
3/14/2009 10:00	71	3.1	6.9	194	6.8	44.2	18
3/14/2009 11:00	10	3.5	7.8	207	7.8	46.0	17
3/14/2009 12:00	12	3.3	7.4	199	9.0	48.2	17
3/14/2009 13:00	2	3.7	8.3	224	9.7	49.5	18
3/14/2009 14:00	7	3.8	8.5	219	10.0	50.0	18
3/14/2009 15:00	13	4.1	9.2	222	10.5	50.9	17
3/14/2009 16:00	12	4.7	10.5	233	10.6	51.1	19
3/14/2009 17:00	5	3.8	8.5	225	9.7	49.5	23
3/14/2009 18:00	14	4.8	10.7	243	7.4	45.3	35
3/14/2009 19:00	2	2.1	4.7	226	4.9	40.8	50
3/14/2009 20:00	5	1.3	2.9	226	3.9	39.0	48
3/14/2009 21:00	5	1.8	4.0	207	3.4	38.1	55
3/14/2009 22:00	8	1.7	3.8	202	2.7	36.9	55
3/14/2009 23:00	7	1.7	3.8	228	2.3	36.1	52
3/15/2009 0:00	16	0.8	1.8	175	0.8	33.4	54
3/15/2009 1:00	8	1.8	4.0	197	1.8	35.2	50
3/15/2009 2:00	-1	2.0	4.5	235	2.3	36.1	47
3/15/2009 3:00	2	2.1	4.7	220	1.9	35.4	53
3/15/2009 4:00	9	1.9	4.3	227	0.9	33.6	66
3/15/2009 5:00	5	1.0	2.2	181	1.1	34.0	66
3/15/2009 6:00	-3	1.5	3.4	188	0.1	32.2	68
3/15/2009 7:00	4	1.5	3.4	181	0.2	32.4	70
3/15/2009 8:00	-1	2.2	4.9	224	1.6	34.9	61
3/15/2009 9:00	-1	3.4	7.6	234	3.6	38.5	53
3/15/2009 10:00	3	4.2	9.4	236	5.1	41.2	42
3/15/2009 11:00	7	5.4	12.1	239	5.9	42.6	38
3/15/2009 12:00	16	6.6	14.8	243	6.2	43.2	38
3/15/2009 13:00	13	6.4	14.3	242	7.5	45.5	35
3/15/2009 14:00	35	6.3	14.1	235	7.9	46.2	36
3/15/2009 15:00	24	5.4	12.1	229	6.6	43.9	44
3/15/2009 16:00	14	3.8	8.5	215	5.1	41.2	58
3/15/2009 17:00	-4	3.0	6.7	206	3.8	38.8	70
3/15/2009 18:00	4	2.8	6.3	194	3.5	38.3	74
3/15/2009 19:00	-5	1.9	4.3	203	3.5	38.3	71
3/15/2009 20:00	7	2.2	4.9	193	4.6	40.3	64

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/15/2009 21:00	-1	2.1	4.7	207	4.5	40.1	66
3/15/2009 22:00	3	2.4	5.4	226	3.7	38.7	73
3/15/2009 23:00	1	2.1	4.7	209	3.2	37.8	78
3/16/2009 0:00	-5	4.2	9.4	246	3.9	39.0	73
3/16/2009 1:00	19	3.1	6.9	306	0.3	32.5	89
3/16/2009 2:00	-2	1.9	4.3	313	0.4	32.7	87
3/16/2009 3:00	6	1.8	4.0	297	0.1	32.2	84
3/16/2009 4:00	-2	2.3	5.1	294	-0.1	31.8	81
3/16/2009 5:00	23	2.5	5.6	268	-0.1	31.8	81
3/16/2009 6:00	12	0.8	1.8	210	-1.0	30.2	91
3/16/2009 7:00	-4	0.4	0.9	179	-1.1	30.0	91
3/16/2009 8:00	-1	0.3	0.7	51	-0.9	30.4	92
3/16/2009 9:00	103	0.5	1.1	322	-0.7	30.7	91
3/16/2009 10:00	-5	2.4	5.4	15	-2.3	27.9	90
3/16/2009 11:00	72	2.2	4.9	9	-1.8	28.8	91
3/16/2009 12:00	151	2.7	6.0	13	-1.6	29.1	91
3/16/2009 13:00	-5	4.6	10.3	10	-2.4	27.7	90
3/16/2009 14:00	3	2.0	4.5	44	-1.8	28.8	91
3/16/2009 15:00	-3	1.2	2.7	143	-0.1	31.8	92
3/16/2009 16:00	2	1.4	3.1	53	-0.2	31.6	90
3/16/2009 17:00	5	1.9	4.3	331	-0.9	30.4	83
3/16/2009 18:00	2	1.7	3.8	247	-0.8	30.6	83
3/16/2009 19:00	0	AO	AO	AO	-1.6	29.1	80
3/16/2009 20:00	8	AO	AO	AO	-2.3	27.9	81
3/16/2009 21:00	-3	AO	AO	AO	-3.9	25.0	85
3/16/2009 22:00	2	AO	AO	AO	-2.2	28.0	79
3/16/2009 23:00	5	AO	AO	AO	-2.4	27.7	79
3/17/2009 0:00	8	AO	AO	AO	-2.7	27.1	80
3/17/2009 1:00	-2	AO	AO	AO	-2.6	27.3	80
3/17/2009 2:00	4	AO	AO	AO	-4.2	24.4	80
3/17/2009 3:00	3	AO	AO	AO	-3.7	25.3	81
3/17/2009 4:00	-2	AO	AO	AO	-3.0	26.6	78
3/17/2009 5:00	4	AO	AO	AO	-4.7	23.5	79
3/17/2009 6:00	15	AO	AO	AO	-6.9	19.6	80
3/17/2009 7:00	9	AO	AO	AO	-9.4	15.1	81
3/17/2009 8:00	14	AO	AO	AO	-9.3	15.3	82
3/17/2009 9:00	9	AO	AO	AO	-6.1	21.0	75
3/17/2009 10:00	8	AO	AO	AO	-2.9	26.8	68
3/17/2009 11:00	5	1.5	3.4	1	-0.1	31.8	60
3/17/2009 12:00	27	2.9	6.5	343	0.5	32.9	63
3/17/2009 13:00	4	3.2	7.2	290	1.3	34.3	53
3/17/2009 14:00	9	4.2	9.4	287	0.8	33.4	59
3/17/2009 15:00	0	2.4	5.4	327	1.9	35.4	55
3/17/2009 16:00	-1	2.8	6.3	353	1.9	35.4	56
3/17/2009 17:00	-2	2.4	5.4	345	1.5	34.7	59
3/17/2009 18:00	8	1.6	3.6	299	1.6	34.9	57
3/17/2009 19:00	7	0.9	2.0	199	-0.6	30.9	66
3/17/2009 20:00	10	0.9	2.0	230	-3.1	26.4	75
3/17/2009 21:00	9	0.8	1.8	248	-3.7	25.3	75
3/17/2009 22:00	10	0.8	1.8	223	-4.5	23.9	75
3/17/2009 23:00	-4	0.3	0.7	224	-4.8	23.4	75
3/18/2009 0:00	15	0.3	0.7	217	-4.2	24.4	69
3/18/2009 1:00	-3	0.3	0.7	240	-6.1	21.0	72
3/18/2009 2:00	2	0.3	0.7	226	-4.9	23.2	71
3/18/2009 3:00	4	0.3	0.7	235	-6.1	21.0	74
3/18/2009 4:00	15	0.3	0.7	301	-7.4	18.7	77
3/18/2009 5:00	2	0.3	0.7	248	-7.4	18.7	81
3/18/2009 6:00	13	0.4	0.9	196	-7.8	18.0	79
3/18/2009 7:00	11	0.7	1.6	188	-8.0	17.6	77
3/18/2009 8:00	1	0.5	1.1	173	-7.7	18.1	70
3/18/2009 9:00	2	0.7	1.6	179	-3.8	25.2	58
3/18/2009 10:00	13	1.5	3.4	178	-0.4	31.3	49
3/18/2009 11:00	19	1.1	2.5	145	1.4	34.5	47
3/18/2009 12:00	10	1.1	2.5	151	4.1	39.4	44
3/18/2009 13:00	21	2.1	4.7	71	4.3	39.7	48
3/18/2009 14:00	11	3.0	6.7	14	2.2	36.0	59
3/18/2009 15:00	8	2.9	6.5	21	2.8	37.0	57
3/18/2009 16:00	13	2.4	5.4	3	3.2	37.8	55
3/18/2009 17:00	10	2.3	5.1	359	2.7	36.9	60
3/18/2009 18:00	8	1.9	4.3	14	2.1	35.8	63
3/18/2009 19:00	8	1.1	2.5	322	1.4	34.5	67
3/18/2009 20:00	15	0.8	1.8	240	0.8	33.4	70
3/18/2009 21:00	15	1.0	2.2	162	0.0	32.0	77
3/18/2009 22:00	23	0.9	2.0	168	-0.5	31.1	79
3/18/2009 23:00	14	0.8	1.8	216	-1.0	30.2	78
3/19/2009 0:00	11	1.4	3.1	177	-2.6	27.3	81
3/19/2009 1:00	9	1.7	3.8	158	-3.0	26.6	79
3/19/2009 2:00	27	0.9	2.0	216	-4.8	23.4	83
3/19/2009 3:00	28	0.8	1.8	206	-6.7	19.9	87
3/19/2009 4:00	-5	1.0	2.2	223	-8.8	16.2	86
3/19/2009 5:00	14	1.0	2.2	235	-8.7	16.3	88
3/19/2009 6:00	27	1.4	3.1	197	-4.3	24.3	83
3/19/2009 7:00	10	1.5	3.4	177	-3.4	25.9	78
3/19/2009 8:00	18	1.4	3.1	196	-2.7	27.1	72
3/19/2009 9:00	7	1.8	4.0	201	-1.0	30.2	66
3/19/2009 10:00	22	2.0	4.5	165	2.9	37.2	57
3/19/2009 11:00	7	2.2	4.9	205	6.3	43.3	45
3/19/2009 12:00	12	1.4	3.1	147	6.9	44.4	46
3/19/2009 13:00	6	1.8	4.0	154	8.6	47.5	41
3/19/2009 14:00	9	1.4	3.1	192	9.9	49.8	37

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/19/2009 15:00	6	3.1	6.9	236	10.1	50.2	37
3/19/2009 16:00	15	2.8	6.3	235	10.1	50.2	40
3/19/2009 17:00	9	1.6	3.6	250	8.9	48.0	50
3/19/2009 18:00	8	2.6	5.8	269	7.4	45.3	59
3/19/2009 19:00	6	1.9	4.3	252	5.9	42.6	68
3/19/2009 20:00	6	2.6	5.8	248	5.6	42.1	69
3/19/2009 21:00	5	3.1	6.9	258	5.5	41.9	68
3/19/2009 22:00	14	1.1	2.5	229	4.1	39.4	73
3/19/2009 23:00	14	1.0	2.2	167	1.9	35.4	79
3/20/2009 0:00	7	1.1	2.5	137	0.5	32.9	82
3/20/2009 1:00	15	0.7	1.6	190	0.8	33.4	80
3/20/2009 2:00	10	0.9	2.0	181	0.3	32.5	80
3/20/2009 3:00	4	1.1	2.5	171	0.8	33.4	79
3/20/2009 4:00	-3	1.0	2.2	194	0.2	32.4	80
3/20/2009 5:00	-2	1.1	2.5	207	-0.8	30.6	81
3/20/2009 6:00	8	1.0	2.2	223	-1.7	28.9	82
3/20/2009 7:00	25	0.8	1.8	205	-3.1	26.4	85
3/20/2009 8:00	1	1.0	2.2	189	-1.4	29.5	75
3/20/2009 9:00	2	1.4	3.1	195	2.2	36.0	65
3/20/2009 10:00	17	2.1	4.7	176	4.8	40.6	59
3/20/2009 11:00	14	1.9	4.3	173	6.7	44.1	55
3/20/2009 12:00	22	2.3	5.1	170	8.8	47.8	49
3/20/2009 13:00	20	1.8	4.0	168	11.1	52.0	40
3/20/2009 14:00	6	2.2	4.9	225	11.8	53.2	32
3/20/2009 15:00	3	2.7	6.0	221	12.1	53.8	30
3/20/2009 16:00	8	4.0	8.9	235	12.4	54.3	30
3/20/2009 17:00	-1	3.7	8.3	243	12.3	54.1	32
3/20/2009 18:00	7	2.7	6.0	243	12.1	53.8	33
3/20/2009 19:00	7	1.8	4.0	237	9.5	49.1	42
3/20/2009 20:00	11	1.5	3.4	155	5.3	41.5	57
3/20/2009 21:00	2	1.4	3.1	187	4.6	40.3	59
3/20/2009 22:00	9	1.0	2.2	197	4.1	39.4	60
3/20/2009 23:00	8	1.2	2.7	202	4.1	39.4	59
3/21/2009 0:00	2	1.6	3.6	184	3.9	39.0	62
3/21/2009 1:00	0	1.7	3.8	206	3.7	38.7	65
3/21/2009 2:00	7	1.3	2.9	208	2.8	37.0	67
3/21/2009 3:00	0	1.4	3.1	208	2.2	36.0	69
3/21/2009 4:00	2	0.9	2.0	185	2.0	35.6	69
3/21/2009 5:00	0	1.7	3.8	227	3.3	37.9	65
3/21/2009 6:00	9	2.2	4.9	268	5.1	41.2	62
3/21/2009 7:00	10	1.9	4.3	17	2.6	36.7	72
3/21/2009 8:00	7	1.7	3.8	272	1.4	34.5	77
3/21/2009 9:00	9	0.9	2.0	144	3.3	37.9	68
3/21/2009 10:00	13	1.3	2.9	174	4.7	40.5	63
3/21/2009 11:00	4	1.1	2.5	237	6.7	44.1	57
3/21/2009 12:00	8	1.1	2.5	220	8.6	47.5	56
3/21/2009 13:00	11	3.8	8.5	153	10.8	51.4	55
3/21/2009 14:00	12	4.8	10.7	139	12.8	55.0	51
3/21/2009 15:00	13	4.2	9.4	141	12.0	53.6	53
3/21/2009 16:00	10	2.5	5.6	170	8.6	47.5	68
3/21/2009 17:00	8	2.1	4.7	155	6.8	44.2	77
3/21/2009 18:00	3	2.4	5.4	183	6.7	44.1	76
3/21/2009 19:00	11	2.6	5.8	212	5.9	42.6	78
3/21/2009 20:00	4	2.2	4.9	200	4.8	40.6	79
3/21/2009 21:00	5	2.0	4.5	193	4.4	39.9	79
3/21/2009 22:00	1	1.1	2.5	151	2.9	37.2	83
3/21/2009 23:00	19	1.0	2.2	183	1.6	34.9	88
3/22/2009 0:00	6	1.3	2.9	239	1.7	35.1	87
3/22/2009 1:00	7	0.7	1.6	153	1.0	33.8	89
3/22/2009 2:00	8	0.8	1.8	231	1.2	34.2	89
3/22/2009 3:00	14	1.7	3.8	158	2.0	35.6	89
3/22/2009 4:00	15	1.0	2.2	185	1.4	34.5	90
3/22/2009 5:00	-5	1.3	2.9	176	1.1	34.0	91
3/22/2009 6:00	12	1.4	3.1	181	2.5	36.5	84
3/22/2009 7:00	2	0.9	2.0	196	1.1	34.0	87
3/22/2009 8:00	19	1.1	2.5	167	1.7	35.1	84
3/22/2009 9:00	-2	1.0	2.2	26	2.0	35.6	84
3/22/2009 10:00	-5	1.9	4.3	7	4.1	39.4	80
3/22/2009 11:00	-5	2.5	5.6	40	5.4	41.7	79
3/22/2009 12:00	-3	2.3	5.1	24	5.8	42.4	72
3/22/2009 13:00	-2	3.2	7.2	18	6.6	43.9	69
3/22/2009 14:00	0	2.4	5.4	349	5.6	42.1	70
3/22/2009 15:00	0	2.1	4.7	316	4.7	40.5	75
3/22/2009 16:00	-5	2.8	6.3	8	5.8	42.4	66
3/22/2009 17:00	-1	2.4	5.4	350	5.6	42.1	63
3/22/2009 18:00	0	2.0	4.5	280	5.3	41.5	60
3/22/2009 19:00	3	2.3	5.1	286	4.9	40.8	61
3/22/2009 20:00	-1	2.2	4.9	279	3.6	38.5	71
3/22/2009 21:00	-3	2.1	4.7	273	3.7	38.7	68
3/22/2009 22:00	-5	1.9	4.3	295	1.7	35.1	82
3/22/2009 23:00	66	4.0	8.9	343	-0.7	30.7	90
3/23/2009 0:00	3	3.6	8.1	347	-1.4	29.5	90
3/23/2009 1:00	14	3.5	7.8	347	-1.9	28.6	89
3/23/2009 2:00	16	3.1	6.9	345	-2.3	27.9	88
3/23/2009 3:00	30	2.2	4.9	345	-2.6	27.3	89
3/23/2009 4:00	21	1.5	3.4	337	-2.6	27.3	89
3/23/2009 5:00	16	1.4	3.1	359	-2.7	27.1	88
3/23/2009 6:00	15	0.6	1.3	30	-2.8	27.0	89
3/23/2009 7:00	12	0.6	1.3	277	-2.9	26.8	89
3/23/2009 8:00	8	0.8	1.8	325	-2.4	27.7	87

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m <sup>3</sup> )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/23/2009 9:00	10	1.1	2.5	4	-1.4	29.5	84
3/23/2009 10:00	6	1.9	4.3	32	-0.5	31.1	82
3/23/2009 11:00	-5	2.8	6.3	38	0.5	32.9	77
3/23/2009 12:00	-2	2.7	6.0	38	1.1	34.0	75
3/23/2009 13:00	-3	2.9	6.5	5	1.7	35.1	71
3/23/2009 14:00	1	4.5	10.1	296	3.1	37.6	63
3/23/2009 15:00	2	4.5	10.1	292	2.8	37.0	61
3/23/2009 16:00	6	3.3	7.4	37	1.9	35.4	71
3/23/2009 17:00	-2	3.0	6.7	38	1.9	35.4	70
3/23/2009 18:00	1	2.0	4.5	9	2.2	36.0	65
3/23/2009 19:00	2	2.3	5.1	318	1.6	34.9	63
3/23/2009 20:00	-3	2.1	4.7	55	0.8	33.4	68
3/23/2009 21:00	2	1.4	3.1	58	0.2	32.4	68
3/23/2009 22:00	-2	2.0	4.5	348	-0.4	31.3	68
3/23/2009 23:00	-1	2.5	5.6	319	-0.8	30.6	66
3/24/2009 0:00	4	1.5	3.4	318	-1.8	28.8	72
3/24/2009 1:00	4	1.4	3.1	275	-2.9	26.8	73
3/24/2009 2:00	-2	1.3	2.9	276	-3.7	25.3	71
3/24/2009 3:00	-4	1.4	3.1	258	-4.5	23.9	76
3/24/2009 4:00	5	1.1	2.5	272	-5.1	22.8	75
3/24/2009 5:00	-1	1.0	2.2	280	-6.0	21.2	75
3/24/2009 6:00	12	0.8	1.8	172	-6.5	20.3	79
3/24/2009 7:00	6	0.9	2.0	167	-6.2	20.8	80
3/24/2009 8:00	3	1.2	2.7	155	-4.8	23.4	76
3/24/2009 9:00	-5	1.4	3.1	153	-2.6	27.3	68
3/24/2009 10:00	-5	3.0	6.7	246	-1.0	30.2	59
3/24/2009 11:00	3	2.4	5.4	243	-0.3	31.5	58
3/24/2009 12:00	-5	2.1	4.7	227	1.1	34.0	56
3/24/2009 13:00	7	1.8	4.0	5	2.1	35.8	57
3/24/2009 14:00	6	2.2	4.9	357	2.7	36.9	60
3/24/2009 15:00	3	3.6	8.1	332	3.8	38.8	55
3/24/2009 16:00	-4	3.9	8.7	297	4.1	39.4	53
3/24/2009 17:00	-3	3.2	7.2	315	2.8	37.0	59
3/24/2009 18:00	5	2.5	5.6	309	2.7	36.9	57
3/24/2009 19:00	-2	2.1	4.7	312	1.2	34.2	64
3/24/2009 20:00	41	2.1	4.7	319	-0.3	31.5	78
3/24/2009 21:00	-2	0.8	1.8	339	-1.5	29.3	86
3/24/2009 22:00	2	2.0	4.5	277	-0.6	30.9	74
3/24/2009 23:00	1	0.9	2.0	244	-1.9	28.6	78
3/25/2009 0:00	-1	1.4	3.1	256	-1.4	29.5	69
3/25/2009 1:00	-5	2.6	5.8	258	-0.9	30.4	66
3/25/2009 2:00	0	2.6	5.8	237	-0.8	30.6	65
3/25/2009 3:00	4	4.2	9.4	249	-1.0	30.2	67
3/25/2009 4:00	1	3.0	6.7	239	-1.2	29.8	70
3/25/2009 5:00	-5	2.3	5.1	226	-1.2	29.8	69
3/25/2009 6:00	1	3.4	7.6	244	-1.0	30.2	68
3/25/2009 7:00	5	3.3	7.4	248	-1.1	30.0	68
3/25/2009 8:00	-5	5.3	11.9	266	-0.5	31.1	59
3/25/2009 9:00	7	4.4	9.8	277	0.5	32.9	53
3/25/2009 10:00	3	4.8	10.7	279	1.5	34.7	48
3/25/2009 11:00	-4	4.0	8.9	293	2.2	36.0	46
3/25/2009 12:00	17	3.9	8.7	297	2.0	35.6	50
3/25/2009 13:00	11	4.3	9.6	328	2.0	35.6	54
3/25/2009 14:00	72	4.3	9.6	45	-0.8	30.6	73
3/25/2009 15:00	-5	1.7	3.8	44	-1.9	28.6	82
3/25/2009 16:00	5	1.3	2.9	130	1.0	33.8	63
3/25/2009 17:00	25	4.3	9.6	24	-1.2	29.8	71
3/25/2009 18:00	33	5.6	12.5	348	-4.8	23.4	80
3/25/2009 19:00	20	6.5	14.5	350	-6.4	20.5	76
3/25/2009 20:00	28	5.7	12.8	356	-7.5	18.5	72
3/25/2009 21:00	9	6.2	13.9	360	-8.3	17.1	67
3/25/2009 22:00	15	5.9	13.2	355	-9.2	15.4	70
3/25/2009 23:00	12	5.0	11.2	351	-9.7	14.5	63
3/26/2009 0:00	21	3.8	8.5	345	-10.2	13.6	63
3/26/2009 1:00	6	2.6	5.8	345	-10.3	13.5	65
3/26/2009 2:00	15	2.7	6.0	348	-10.3	13.5	65
3/26/2009 3:00	4	3.4	7.6	5	-10.7	12.7	67
3/26/2009 4:00	8	1.9	4.3	334	-11.5	11.3	68
3/26/2009 5:00	-2	2.1	4.7	336	-11.8	10.8	66
3/26/2009 6:00	16	2.5	5.6	345	-12.1	10.2	67
3/26/2009 7:00	5	1.6	3.6	338	-12.7	9.1	70
3/26/2009 8:00	9	1.9	4.3	358	-11.6	11.1	63
3/26/2009 9:00	11	2.6	5.8	6	-10.6	12.9	58
3/26/2009 10:00	-1	2.7	6.0	12	-9.9	14.2	53
3/26/2009 11:00	-1	2.5	5.6	359	-9.0	15.8	52
3/26/2009 12:00	6	2.3	5.1	341	-7.9	17.8	50
3/26/2009 13:00	4	2.1	4.7	17	-7.1	19.2	49
3/26/2009 14:00	5	1.6	3.6	20	-5.6	21.9	47
3/26/2009 15:00	10	1.8	4.0	50	-4.4	24.1	47
3/26/2009 16:00	4	1.6	3.6	62	-3.8	25.2	45
3/26/2009 17:00	10	1.4	3.1	359	-3.2	26.2	42
3/26/2009 18:00	-2	1.0	2.2	22	-2.7	27.1	39
3/26/2009 19:00	8	1.1	2.5	332	-4.4	24.1	47
3/26/2009 20:00	5	2.2	4.9	15	-5.2	22.6	59
3/26/2009 21:00	10	1.3	2.9	299	-6.6	20.1	67
3/26/2009 22:00	11	1.4	3.1	218	-8.1	17.4	65
3/26/2009 23:00	6	1.0	2.2	173	-9.4	15.1	72
3/27/2009 0:00	8	1.0	2.2	178	-9.8	14.4	73
3/27/2009 1:00	0	1.3	2.9	177	-9.4	15.1	68
3/27/2009 2:00	2	1.8	4.0	171	-9.6	14.7	67

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/27/2009 3:00	-1	2.0	4.5	175	-9.6	14.7	66
3/27/2009 4:00	-3	1.8	4.0	183	-9.8	14.4	68
3/27/2009 5:00	-2	2.0	4.5	169	-8.9	16.0	65
3/27/2009 6:00	3	1.9	4.3	185	-8.7	16.3	66
3/27/2009 7:00	3	2.3	5.1	204	-7.2	19.0	60
3/27/2009 8:00	2	2.4	5.4	209	-5.7	21.7	54
3/27/2009 9:00	-5	1.7	3.8	231	-4.7	23.5	52
3/27/2009 10:00	2	2.0	4.5	225	-2.9	26.8	45
3/27/2009 11:00	4	3.2	7.2	227	-0.7	30.7	38
3/27/2009 12:00	1	3.9	8.7	246	2.8	37.0	35
3/27/2009 13:00	5	3.6	8.1	247	4.1	39.4	34
3/27/2009 14:00	15	2.7	6.0	10	4.5	40.1	42
3/27/2009 15:00	15	4.3	9.6	295	6.1	43.0	38
3/27/2009 16:00	235	5.2	11.6	291	6.5	43.7	38
3/27/2009 17:00	19	4.8	10.7	288	6.4	43.5	38
3/27/2009 18:00	34	5.0	11.2	295	5.1	41.2	41
3/27/2009 19:00	0	4.2	9.4	285	3.3	37.9	46
3/27/2009 20:00	5	3.0	6.7	282	2.6	36.7	48
3/27/2009 21:00	6	2.1	4.7	295	2.7	36.9	49
3/27/2009 22:00	5	2.0	4.5	276	2.5	36.5	50
3/27/2009 23:00	13	0.9	2.0	171	0.9	33.6	57
3/28/2009 0:00	14	1.0	2.2	180	0.3	32.5	61
3/28/2009 1:00	-1	2.0	4.5	251	0.5	32.9	61
3/28/2009 2:00	3	2.8	6.3	254	1.8	35.2	55
3/28/2009 3:00	1	2.5	5.6	248	2.2	36.0	54
3/28/2009 4:00	4	3.5	7.8	241	2.2	36.0	54
3/28/2009 5:00	-5	2.5	5.6	225	2.0	35.6	57
3/28/2009 6:00	4	2.1	4.7	217	1.9	35.4	58
3/28/2009 7:00	1	1.5	3.4	201	1.3	34.3	63
3/28/2009 8:00	2	2.2	4.9	197	1.9	35.4	60
3/28/2009 9:00	10	2.2	4.9	209	2.4	36.3	56
3/28/2009 10:00	0	2.1	4.7	218	3.1	37.6	56
3/28/2009 11:00	-1	1.7	3.8	231	3.8	38.8	54
3/28/2009 12:00	2	1.5	3.4	302	4.4	39.9	54
3/28/2009 13:00	-5	2.1	4.7	327	4.9	40.8	56
3/28/2009 14:00	3	2.7	6.0	300	5.2	41.4	58
3/28/2009 15:00	0	1.7	3.8	274	5.3	41.5	60
3/28/2009 16:00	-1	1.8	4.0	34	5.4	41.7	62
3/28/2009 17:00	-3	1.5	3.4	316	5.5	41.9	62
3/28/2009 18:00	-5	1.7	3.8	252	4.8	40.6	69
3/28/2009 19:00	9	2.1	4.7	251	4.1	39.4	72
3/28/2009 20:00	10	1.4	3.1	11	2.0	35.6	84
3/28/2009 21:00	-4	1.2	2.7	95	1.4	34.5	88
3/28/2009 22:00	20	1.1	2.5	240	1.6	34.9	88
3/28/2009 23:00	1	1.3	2.9	3	0.6	33.1	90
3/29/2009 0:00	0	1.8	4.0	12	0.0	32.0	92
3/29/2009 1:00	6	AO	AO	AO	-0.1	31.8	92
3/29/2009 2:00	24	AO	AO	AO	-0.2	31.6	92
3/29/2009 3:00	-5	AO	AO	AO	-0.2	31.6	92
3/29/2009 4:00	7	AO	AO	AO	-0.1	31.8	92
3/29/2009 5:00	-2	AO	AO	AO	-0.2	31.6	92
3/29/2009 6:00	-5	AO	AO	AO	-0.5	31.1	92
3/29/2009 7:00	10	AO	AO	AO	-0.8	30.6	92
3/29/2009 8:00	5	AO	AO	AO	-0.8	30.6	91
3/29/2009 9:00	13	AO	AO	AO	-0.4	31.3	88
3/29/2009 10:00	-2	AO	AO	AO	-0.2	31.6	84
3/29/2009 11:00	5	AO	AO	AO	0.2	32.4	80
3/29/2009 12:00	129	AO	AO	AO	-1.0	30.2	83
3/29/2009 13:00	-5	AO	AO	AO	-3.0	26.6	87
3/29/2009 14:00	37	AO	AO	AO	-3.0	26.6	85
3/29/2009 15:00	101	AO	AO	AO	-3.4	25.9	84
3/29/2009 16:00	159	AO	AO	AO	-4.0	24.8	85
3/29/2009 17:00	65	4.2	9.4	344	-4.7	23.5	86
3/29/2009 18:00	48	5.8	13.0	351	-5.2	22.6	86
3/29/2009 19:00	75	5.5	12.3	351	-5.6	21.9	86
3/29/2009 20:00	44	5.8	13.0	351	-5.8	21.6	85
3/29/2009 21:00	31	6.8	15.2	1	-6.0	21.2	82
3/29/2009 22:00	15	4.6	10.3	359	-5.8	21.6	75
3/29/2009 23:00	11	3.3	7.4	353	-5.7	21.7	72
3/30/2009 0:00	13	1.1	2.5	352	-7.0	19.4	74
3/30/2009 1:00	12	0.4	0.9	237	-9.3	15.3	80
3/30/2009 2:00	20	0.5	1.1	232	-10.1	13.8	82
3/30/2009 3:00	12	0.7	1.6	228	-9.7	14.5	83
3/30/2009 4:00	23	0.6	1.3	256	-9.5	14.9	83
3/30/2009 5:00	16	0.5	1.1	183	-9.5	14.9	84
3/30/2009 6:00	5	0.3	0.7	246	-10.8	12.6	84
3/30/2009 7:00	17	0.3	0.7	186	-12.2	10.0	82
3/30/2009 8:00	5	0.8	1.8	170	-10.3	13.5	73
3/30/2009 9:00	1	1.3	2.9	173	-7.3	18.9	64
3/30/2009 10:00	11	1.8	4.0	167	-4.8	23.4	60
3/30/2009 11:00	13	2.4	5.4	161	-3.2	26.2	59
3/30/2009 12:00	10	2.5	5.6	142	-1.0	30.2	52
3/30/2009 13:00	29	2.1	4.7	63	-0.9	30.4	56
3/30/2009 14:00	11	1.9	4.3	26	-1.4	29.5	56
3/30/2009 15:00	12	2.3	5.1	22	-2.4	27.7	64
3/30/2009 16:00	12	2.7	6.0	32	-1.6	29.1	60
3/30/2009 17:00	13	1.7	3.8	5	-1.8	28.8	68
3/30/2009 18:00	-1	1.2	2.7	62	-2.3	27.9	75
3/30/2009 19:00	14	1.1	2.5	177	-1.7	28.9	69
3/30/2009 20:00	-2	2.2	4.9	275	-2.8	27.0	60
3/30/2009 21:00	3	3.2	7.2	279	-2.7	27.1	56

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/30/2009 22:00	2	2.8	6.3	307	-2.6	27.3	61
3/30/2009 23:00	10	2.3	5.1	287	-3.9	25.0	67
3/31/2009 0:00	-3	3.2	7.2	276	-3.8	25.2	67
3/31/2009 1:00	3	2.9	6.5	275	-3.6	25.5	65
3/31/2009 2:00	5	2.0	4.5	289	-3.5	25.7	64
3/31/2009 3:00	2	1.8	4.0	262	-3.6	25.5	65
3/31/2009 4:00	6	1.0	2.2	202	-4.9	23.2	71
3/31/2009 5:00	8	1.0	2.2	162	-4.7	23.5	71
3/31/2009 6:00	4	1.0	2.2	186	-4.1	24.6	67
3/31/2009 7:00	6	2.3	5.1	220	-3.1	26.4	65
3/31/2009 8:00	-4	3.4	7.6	229	-2.6	27.3	62
3/31/2009 9:00	AV	AV	AV	AV	AV	AV	AV
3/31/2009 10:00	16	4.7	10.5	233	0.5	32.9	58
3/31/2009 11:00	6	4.1	9.2	230	-0.3	31.5	56
3/31/2009 12:00	1	3.4	7.6	222	1.3	34.3	51
3/31/2009 13:00	4	4.2	9.4	228	1.5	34.7	52
3/31/2009 14:00	-3	4.6	10.3	231	1.5	34.7	57
3/31/2009 15:00	8	3.0	6.7	221	1.5	34.7	61
3/31/2009 16:00	-5	2.8	6.3	238	2.2	36.0	59
3/31/2009 17:00	3	2.3	5.1	283	3.0	37.4	53
3/31/2009 18:00	-1	2.3	5.1	269	1.9	35.4	58
3/31/2009 19:00	12	2.4	5.4	305	0.1	32.2	71
3/31/2009 20:00	1	2.8	6.3	3	-2.1	28.2	88
3/31/2009 21:00	3	2.1	4.7	285	-2.0	28.4	79
3/31/2009 22:00	-3	2.8	6.3	282	-1.9	28.6	68
3/31/2009 23:00	-4	2.3	5.1	296	-2.0	28.4	66
4/1/2009 0:00	0	2.3	5.1	318	-1.8	28.8	68

AO = Bad weather  
AV = Power outage  
BA = Routine maintenance / repairs

**Table 6**  
**Warm Springs Site Hourly Average Data**  
**Met One E-BAM**  
**March 2009**

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/1/2009 1:00	6	0.7	1.6	230	-5.9	21.4	78
3/1/2009 2:00	-2	1.2	2.7	135	-4.8	23.4	75
3/1/2009 3:00	-5	2.3	5.1	167	0.0	32.0	51
3/1/2009 4:00	-4	2.1	4.7	176	0.9	33.6	46
3/1/2009 5:00	-5	2.2	4.9	193	1.3	34.3	50
3/1/2009 6:00	4	3.3	7.4	182	1.7	35.1	48
3/1/2009 7:00	-5	3.1	6.9	184	1.1	34.0	50
3/1/2009 8:00	2	2.8	6.3	188	1.2	34.2	51
3/1/2009 9:00	7	2.4	5.4	185	2.8	37.0	45
3/1/2009 10:00	5	2.3	5.1	172	6.0	42.8	36
3/1/2009 11:00	13	1.6	3.6	150	6.7	44.1	39
3/1/2009 12:00	-5	2.3	5.1	140	8.1	46.6	34
3/1/2009 13:00	2	2.9	6.5	178	11.6	52.9	23
3/1/2009 14:00	3	2.5	5.6	177	12.5	54.5	22
3/1/2009 15:00	5	3.9	8.7	163	12.4	54.3	20
3/1/2009 16:00	9	3.2	7.2	232	11.0	51.8	31
3/1/2009 17:00	-2	1.5	3.4	8	6.7	44.1	50
3/1/2009 18:00	3	1.1	2.5	330	5.1	41.2	57
3/1/2009 19:00	6	0.7	1.6	288	3.1	37.6	66
3/1/2009 20:00	5	0.7	1.6	11	1.4	34.5	72
3/1/2009 21:00	14	0.6	1.3	216	-0.7	30.7	78
3/1/2009 22:00	13	0.8	1.8	153	-1.1	30.0	81
3/1/2009 23:00	30	0.7	1.6	344	-1.2	29.8	83
3/2/2009 0:00	6	0.7	1.6	317	-2.6	27.3	85
3/2/2009 1:00	-5	1.2	2.7	358	0.4	32.7	71
3/2/2009 2:00	10	1.3	2.9	71	1.4	34.5	66
3/2/2009 3:00	-5	1.6	3.6	258	1.4	34.5	64
3/2/2009 4:00	-4	2.8	6.3	209	3.4	38.1	53
3/2/2009 5:00	0	2.5	5.6	256	3.5	38.3	51
3/2/2009 6:00	-2	1.5	3.4	265	3.0	37.4	54
3/2/2009 7:00	5	2.5	5.6	266	3.8	38.8	50
3/2/2009 8:00	5	1.5	3.4	243	3.2	37.8	53
3/2/2009 9:00	-4	1.2	2.7	214	5.1	41.2	46
3/2/2009 10:00	3	2.3	5.1	164	7.5	45.5	38
3/2/2009 11:00	5	4.7	10.5	145	9.2	48.6	34
3/2/2009 12:00	-3	4.4	9.8	149	10.5	50.9	33
3/2/2009 13:00	7	5.1	11.4	188	13.5	56.3	30
3/2/2009 14:00	BA	5.9	13.2	198	14.0	57.2	28
3/2/2009 15:00	12	4.8	10.7	215	13.8	56.8	27
3/2/2009 16:00	5	2.7	6.0	195	12.1	53.8	33
3/2/2009 17:00	13	1.8	4.0	183	12.1	53.8	31
3/2/2009 18:00	-1	3.0	6.7	146	11.1	52.0	36
3/2/2009 19:00	-5	3.4	7.6	150	9.6	49.3	41
3/2/2009 20:00	4	4.2	9.4	149	8.8	47.8	42
3/2/2009 21:00	3	5.4	12.1	146	8.8	47.8	42
3/2/2009 22:00	6	5.6	12.5	141	8.0	46.4	51
3/2/2009 23:00	-2	5.7	12.8	149	7.7	45.9	57
3/3/2009 0:00	4	4.5	10.1	140	7.7	45.9	57
3/3/2009 1:00	13	4.3	9.6	130	7.4	45.3	60
3/3/2009 2:00	2	3.3	7.4	158	6.6	43.9	67
3/3/2009 3:00	0	1.8	4.0	162	4.8	40.6	82
3/3/2009 4:00	10	1.6	3.6	166	3.7	38.7	81
3/3/2009 5:00	-5	2.4	5.4	174	4.7	40.5	74
3/3/2009 6:00	8	1.7	3.8	163	3.7	38.7	77
3/3/2009 7:00	-5	1.8	4.0	167	4.3	39.7	72
3/3/2009 8:00	0	2.2	4.9	168	4.8	40.6	67
3/3/2009 9:00	-4	1.9	4.3	163	5.1	41.2	64
3/3/2009 10:00	-2	2.7	6.0	168	7.1	44.8	55
3/3/2009 11:00	8	4.1	9.2	174	8.4	47.1	49
3/3/2009 12:00	11	4.7	10.5	184	10.0	50.0	39
3/3/2009 13:00	-2	5.0	11.2	202	10.1	50.2	33
3/3/2009 14:00	-1	3.3	7.4	220	7.4	45.3	43
3/3/2009 15:00	-5	2.8	6.3	1	2.7	36.9	75
3/3/2009 16:00	29	1.4	3.1	97	0.7	33.3	90
3/3/2009 17:00	-5	1.5	3.4	131	1.8	35.2	83
3/3/2009 18:00	13	0.9	2.0	185	1.8	35.2	83
3/3/2009 19:00	-5	1.2	2.7	171	0.7	33.3	88
3/3/2009 20:00	-5	1.6	3.6	166	-0.4	31.3	87
3/3/2009 21:00	8	1.4	3.1	167	-0.2	31.6	84
3/3/2009 22:00	7	1.1	2.5	187	-0.4	31.3	85
3/3/2009 23:00	20	1.3	2.9	202	-0.6	30.9	84
3/4/2009 0:00	-5	1.4	3.1	163	-0.7	30.7	84
3/4/2009 1:00	9	1.3	2.9	190	-0.1	31.8	81
3/4/2009 2:00	-1	1.2	2.7	170	-1.2	29.8	83
3/4/2009 3:00	0	2.4	5.4	196	-1.3	29.7	82
3/4/2009 4:00	18	2.2	4.9	161	-1.5	29.3	80
3/4/2009 5:00	-1	1.7	3.8	143	-1.2	29.8	78
3/4/2009 6:00	4	1.6	3.6	163	-1.6	29.1	78
3/4/2009 7:00	-5	1.1	2.5	236	-2.5	27.5	81
3/4/2009 8:00	-5	1.1	2.5	277	-2.2	28.0	81
3/4/2009 9:00	9	1.0	2.2	72	-1.0	30.2	77
3/4/2009 10:00	-5	0.9	2.0	3	-0.5	31.1	76
3/4/2009 11:00	6	1.1	2.5	7	0.4	32.7	76
3/4/2009 12:00	-3	1.2	2.7	26	0.9	33.6	74
3/4/2009 13:00	5	1.4	3.1	330	1.5	34.7	73

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/4/2009 14:00	8	1.3	2.9	344	2.3	36.1	71
3/4/2009 15:00	-2	1.6	3.6	345	3.2	37.8	66
3/4/2009 16:00	1	1.5	3.4	1	3.1	37.6	65
3/4/2009 17:00	-5	1.0	2.2	1	2.7	36.9	67
3/4/2009 18:00	5	0.7	1.6	125	2.3	36.1	66
3/4/2009 19:00	-1	0.6	1.3	313	1.4	34.5	65
3/4/2009 20:00	1	1.1	2.5	255	0.8	33.4	69
3/4/2009 21:00	-5	2.4	5.4	239	1.0	33.8	63
3/4/2009 22:00	0	2.8	6.3	271	0.9	33.6	55
3/4/2009 23:00	7	2.0	4.5	251	-0.2	31.6	51
3/5/2009 0:00	2	1.2	2.7	184	-2.3	27.9	65
3/5/2009 1:00	-5	1.2	2.7	180	-2.6	27.3	72
3/5/2009 2:00	-4	1.2	2.7	138	-2.7	27.1	73
3/5/2009 3:00	-5	0.9	2.0	135	-2.6	27.3	74
3/5/2009 4:00	-5	1.2	2.7	147	-2.0	28.4	71
3/5/2009 5:00	7	1.6	3.6	152	-1.2	29.8	65
3/5/2009 6:00	-2	2.0	4.5	183	-1.2	29.8	64
3/5/2009 7:00	5	2.0	4.5	198	-1.5	29.3	66
3/5/2009 8:00	-5	1.5	3.4	166	-2.2	28.0	72
3/5/2009 9:00	-5	2.3	5.1	181	-0.8	30.6	65
3/5/2009 10:00	-1	3.7	8.3	188	0.2	32.4	55
3/5/2009 11:00	-4	3.6	8.1	198	1.0	33.8	53
3/5/2009 12:00	2	4.8	10.7	198	1.2	34.2	57
3/5/2009 13:00	9	5.1	11.4	187	1.0	33.8	62
3/5/2009 14:00	-3	6.4	14.3	191	1.6	34.9	58
3/5/2009 15:00	18	6.5	14.5	195	1.0	33.8	63
3/5/2009 16:00	37	5.3	11.9	190	0.3	32.5	71
3/5/2009 17:00	17	5.1	11.4	197	0.2	32.4	66
3/5/2009 18:00	6	5.8	13.0	200	0.5	32.9	58
3/5/2009 19:00	2	5.4	12.1	191	0.1	32.2	58
3/5/2009 20:00	-5	5.1	11.4	192	-0.4	31.3	60
3/5/2009 21:00	2	4.9	11.0	180	-0.9	30.4	65
3/5/2009 22:00	12	2.6	5.8	183	-1.2	29.8	69
3/5/2009 23:00	37	2.6	5.8	192	-2.0	28.4	79
3/6/2009 0:00	6	1.2	2.7	164	-2.8	27.0	84
3/6/2009 1:00	15	2.0	4.5	132	-3.0	26.6	85
3/6/2009 2:00	4	2.1	4.7	22	-7.4	18.7	79
3/6/2009 3:00	4	2.2	4.9	10	-10.0	14.0	77
3/6/2009 4:00	16	1.8	4.0	14	-11.0	12.2	76
3/6/2009 5:00	40	1.8	4.0	6	-11.9	10.6	77
3/6/2009 6:00	11	1.6	3.6	15	-12.8	9.0	76
3/6/2009 7:00	4	1.6	3.6	14	-13.5	7.7	74
3/6/2009 8:00	-2	1.2	2.7	11	-13.7	7.3	74
3/6/2009 9:00	14	1.1	2.5	358	-13.1	8.4	74
3/6/2009 10:00	0	0.6	1.3	30	-11.7	10.9	71
3/6/2009 11:00	-4	1.0	2.2	64	-8.9	16.0	63
3/6/2009 12:00	14	1.4	3.1	12	-7.6	18.3	59
3/6/2009 13:00	-5	1.6	3.6	357	-6.5	20.3	62
3/6/2009 14:00	8	1.8	4.0	359	-5.1	22.8	59
3/6/2009 15:00	7	1.8	4.0	18	-3.6	25.5	56
3/6/2009 16:00	4	2.1	4.7	355	-2.6	27.3	53
3/6/2009 17:00	1	1.7	3.8	359	-2.1	28.2	52
3/6/2009 18:00	4	1.5	3.4	352	-2.4	27.7	55
3/6/2009 19:00	-5	0.8	1.8	301	-5.8	21.6	71
3/6/2009 20:00	-1	0.6	1.3	313	-6.3	20.7	74
3/6/2009 21:00	3	1.0	2.2	143	-7.8	18.0	80
3/6/2009 22:00	15	1.1	2.5	138	-8.4	16.9	80
3/6/2009 23:00	2	1.8	4.0	169	-8.8	16.2	77
3/7/2009 0:00	-5	1.8	4.0	183	-7.5	18.5	70
3/7/2009 1:00	-1	1.2	2.7	224	-8.1	17.4	68
3/7/2009 2:00	-4	0.9	2.0	244	-9.1	15.6	69
3/7/2009 3:00	0	0.9	2.0	213	-9.2	15.4	69
3/7/2009 4:00	-5	1.7	3.8	194	-8.7	16.3	65
3/7/2009 5:00	-3	1.1	2.5	242	-10.2	13.6	74
3/7/2009 6:00	5	1.0	2.2	258	-10.6	12.9	75
3/7/2009 7:00	0	0.9	2.0	257	-11.5	11.3	81
3/7/2009 8:00	-5	1.1	2.5	260	-10.2	13.6	76
3/7/2009 9:00	2	1.5	3.4	333	-7.2	19.0	70
3/7/2009 10:00	-5	1.4	3.1	317	-6.3	20.7	68
3/7/2009 11:00	-5	4.7	10.5	190	-2.4	27.7	50
3/7/2009 12:00	4	5.6	12.5	181	0.4	32.7	40
3/7/2009 13:00	2	5.4	12.1	173	1.8	35.2	37
3/7/2009 14:00	14	6.2	13.9	189	2.8	37.0	38
3/7/2009 15:00	-5	6.1	13.6	188	3.4	38.1	38
3/7/2009 16:00	7	5.3	11.9	191	4.1	39.4	37
3/7/2009 17:00	2	5.7	12.8	193	3.8	38.8	40
3/7/2009 18:00	-2	4.1	9.2	198	2.8	37.0	43
3/7/2009 19:00	4	2.4	5.4	213	1.5	34.7	49
3/7/2009 20:00	1	2.9	6.5	221	0.8	33.4	56
3/7/2009 21:00	7	3.0	6.7	193	-0.1	31.8	66
3/7/2009 22:00	-5	3.5	7.8	167	-0.8	30.6	65
3/7/2009 23:00	4	5.4	12.1	182	-0.7	30.7	58
3/8/2009 0:00	0	4.3	9.6	217	-2.0	28.4	66
3/8/2009 1:00	11	1.3	2.9	111	-4.2	24.4	77
3/8/2009 2:00	3	0.7	1.6	64	-4.7	23.5	73
3/8/2009 3:00	-1	1.1	2.5	182	-4.4	24.1	69
3/8/2009 4:00	-4	1.3	2.9	241	-4.9	23.2	68
3/8/2009 5:00	-5	1.5	3.4	231	-5.1	22.8	68
3/8/2009 6:00	3	1.8	4.0	219	-5.1	22.8	63
3/8/2009 7:00	-5	2.7	6.0	237	-5.0	23.0	54

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/8/2009 8:00	-5	1.7	3.8	197	-5.2	22.6	59
3/8/2009 9:00	-5	4.0	8.9	243	-3.8	25.2	41
3/8/2009 10:00	0	5.1	11.4	246	-2.7	27.1	36
3/8/2009 11:00	0	4.5	10.1	231	-2.3	27.9	32
3/8/2009 12:00	-5	4.2	9.4	256	-2.8	27.0	31
3/8/2009 13:00	-1	3.8	8.5	264	-1.9	28.6	27
3/8/2009 14:00	7	2.9	6.5	245	-2.4	27.7	37
3/8/2009 15:00	15	2.2	4.9	22	-2.6	27.3	44
3/8/2009 16:00	-5	2.5	5.6	358	-5.5	22.1	57
3/8/2009 17:00	6	3.1	6.9	343	-7.0	19.4	63
3/8/2009 18:00	23	1.8	4.0	5	-8.9	16.0	72
3/8/2009 19:00	7	1.8	4.0	3	-9.9	14.2	71
3/8/2009 20:00	1	1.2	2.7	20	-11.6	11.1	70
3/8/2009 21:00	-3	1.2	2.7	40	-13.0	8.6	67
3/8/2009 22:00	-5	1.3	2.9	11	-13.3	8.1	66
3/8/2009 23:00	-5	1.3	2.9	9	-13.2	8.2	64
3/9/2009 0:00	-5	1.3	2.9	16	-13.3	8.1	63
3/9/2009 1:00	8	1.2	2.7	7	-13.3	8.1	64
3/9/2009 2:00	1	1.7	3.8	352	-13.8	7.2	64
3/9/2009 3:00	0	1.5	3.4	19	-14.2	6.4	63
3/9/2009 4:00	3	1.4	3.1	18	-14.6	5.7	62
3/9/2009 5:00	5	1.3	2.9	11	-15.0	5.0	63
3/9/2009 6:00	2	1.1	2.5	12	-15.0	5.0	63
3/9/2009 7:00	8	0.8	1.8	18	-15.0	5.0	64
3/9/2009 8:00	4	1.1	2.5	3	-14.9	5.2	64
3/9/2009 9:00	-4	1.0	2.2	4	-14.1	6.6	61
3/9/2009 10:00	5	0.9	2.0	11	-12.8	9.0	57
3/9/2009 11:00	0	1.3	2.9	199	-10.4	13.3	51
3/9/2009 12:00	3	1.7	3.8	162	-7.9	17.8	45
3/9/2009 13:00	4	2.0	4.5	193	-6.2	20.8	42
3/9/2009 14:00	1	1.8	4.0	223	-5.0	23.0	40
3/9/2009 15:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 16:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 17:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 18:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 19:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 20:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 21:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 22:00	BA	BA	BA	BA	BA	BA	BA
3/9/2009 23:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 0:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 1:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 2:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 3:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 4:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 5:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 6:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 7:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 8:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 9:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 10:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 11:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 12:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 13:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 14:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 15:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 16:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 17:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 18:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 19:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 20:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 21:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 22:00	BA	BA	BA	BA	BA	BA	BA
3/10/2009 23:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 0:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 1:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 2:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 3:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 4:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 5:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 6:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 7:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 8:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 9:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 10:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 11:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 12:00	BA	BA	BA	BA	BA	BA	BA
3/11/2009 13:00	25	2.2	4.9	7	-3.2	26.2	39
3/11/2009 14:00	6	2.2	4.9	2	-2.1	28.2	35
3/11/2009 15:00	2	2.1	4.7	2	-1.1	30.0	31
3/11/2009 16:00	1	2.2	4.9	10	-1.0	30.2	30
3/11/2009 17:00	4	2.4	5.4	13	-2.4	27.7	35
3/11/2009 18:00	1	1.9	4.3	20	-3.0	26.6	39
3/11/2009 19:00	7	1.5	3.4	27	-4.4	24.1	41
3/11/2009 20:00	-5	1.1	2.5	30	-6.1	21.0	45
3/11/2009 21:00	4	1.1	2.5	277	-11.0	12.2	64
3/11/2009 22:00	-2	0.7	1.6	199	-11.9	10.6	73
3/11/2009 23:00	9	1.1	2.5	173	-11.5	11.3	71
3/12/2009 0:00	-1	1.0	2.2	142	-12.3	9.9	71
3/12/2009 1:00	-4	1.0	2.2	173	-12.9	8.8	71

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/12/2009 2:00	6	0.9	2.0	176	-13.8	7.2	74
3/12/2009 3:00	-5	0.8	1.8	165	-14.6	5.7	76
3/12/2009 4:00	4	0.6	1.3	190	-15.6	3.9	78
3/12/2009 5:00	-5	0.8	1.8	181	-15.3	4.5	75
3/12/2009 6:00	3	0.7	1.6	180	-15.5	4.1	74
3/12/2009 7:00	4	0.6	1.3	176	-16.3	2.7	76
3/12/2009 8:00	-5	1.1	2.5	179	-14.5	5.9	70
3/12/2009 9:00	-5	1.5	3.4	193	-9.9	14.2	56
3/12/2009 10:00	4	1.3	2.9	194	-6.7	19.9	45
3/12/2009 11:00	-1	1.1	2.5	226	-4.2	24.4	38
3/12/2009 12:00	-5	1.5	3.4	9	-2.4	27.7	38
3/12/2009 13:00	9	1.7	3.8	12	-0.5	31.1	34
3/12/2009 14:00	7	2.2	4.9	5	0.4	32.7	34
3/12/2009 15:00	0	2.1	4.7	7	1.6	34.9	32
3/12/2009 16:00	3	2.0	4.5	11	2.5	36.5	29
3/12/2009 17:00	-2	1.9	4.3	12	2.5	36.5	30
3/12/2009 18:00	-2	1.2	2.7	12	2.0	35.6	33
3/12/2009 19:00	-5	1.0	2.2	274	-2.2	28.0	48
3/12/2009 20:00	9	0.8	1.8	282	-6.3	20.7	63
3/12/2009 21:00	11	0.7	1.6	194	-6.8	19.8	68
3/12/2009 22:00	8	0.9	2.0	169	-7.1	19.2	71
3/12/2009 23:00	6	0.8	1.8	209	-8.1	17.4	72
3/13/2009 0:00	-2	0.6	1.3	272	-9.1	15.6	74
3/13/2009 1:00	21	0.6	1.3	156	-10.0	14.0	79
3/13/2009 2:00	0	0.5	1.1	178	-10.7	12.7	82
3/13/2009 3:00	16	0.9	2.0	177	-9.9	14.2	78
3/13/2009 4:00	-5	0.7	1.6	271	-11.9	10.6	79
3/13/2009 5:00	22	0.8	1.8	171	-10.8	12.6	78
3/13/2009 6:00	-5	1.0	2.2	199	-10.0	14.0	74
3/13/2009 7:00	-5	1.5	3.4	199	-8.7	16.3	70
3/13/2009 8:00	-5	1.0	2.2	164	-8.4	16.9	71
3/13/2009 9:00	-5	2.3	5.1	168	-3.8	25.2	60
3/13/2009 10:00	-3	4.3	9.6	196	1.6	34.9	40
3/13/2009 11:00	8	4.0	8.9	187	5.0	41.0	29
3/13/2009 12:00	6	4.3	9.6	194	7.1	44.8	24
3/13/2009 13:00	7	4.6	10.3	200	8.6	47.5	21
3/13/2009 14:00	6	4.9	11.0	203	9.0	48.2	21
3/13/2009 15:00	12	5.2	11.6	207	9.9	49.8	20
3/13/2009 16:00	6	5.1	11.4	213	10.6	51.1	19
3/13/2009 17:00	3	4.8	10.7	213	10.9	51.6	18
3/13/2009 18:00	-5	4.2	9.4	220	9.4	48.9	20
3/13/2009 19:00	-2	1.8	4.0	275	5.3	41.5	31
3/13/2009 20:00	0	0.8	1.8	176	1.2	34.2	45
3/13/2009 21:00	9	1.1	2.5	261	-2.2	28.0	56
3/13/2009 22:00	-5	1.7	3.8	174	-0.1	31.8	50
3/13/2009 23:00	1	2.9	6.5	194	3.2	37.8	37
3/14/2009 0:00	-5	2.6	5.8	187	2.7	36.9	39
3/14/2009 1:00	-4	3.6	8.1	194	3.3	37.9	37
3/14/2009 2:00	2	3.2	7.2	194	2.6	36.7	38
3/14/2009 3:00	1	3.5	7.8	198	1.8	35.2	39
3/14/2009 4:00	-5	2.1	4.7	190	0.6	33.1	42
3/14/2009 5:00	-5	2.6	5.8	193	0.8	33.4	41
3/14/2009 6:00	-5	4.1	9.2	204	1.5	34.7	37
3/14/2009 7:00	-5	3.1	6.9	193	1.5	34.7	36
3/14/2009 8:00	-5	2.7	6.0	184	2.1	35.8	34
3/14/2009 9:00	-3	2.9	6.5	180	4.8	40.6	26
3/14/2009 10:00	2	4.0	8.9	195	8.0	46.4	18
3/14/2009 11:00	8	5.1	11.4	190	9.4	48.9	17
3/14/2009 12:00	8	5.6	12.5	180	9.9	49.8	17
3/14/2009 13:00	13	6.1	13.6	196	10.2	50.4	19
3/14/2009 14:00	9	6.2	13.9	202	11.3	52.3	18
3/14/2009 15:00	6	6.4	14.3	203	11.6	52.9	17
3/14/2009 16:00	12	6.5	14.5	209	11.2	52.2	19
3/14/2009 17:00	1	5.9	13.2	208	10.4	50.7	23
3/14/2009 18:00	5	5.8	13.0	211	8.6	47.5	33
3/14/2009 19:00	-2	3.8	8.5	191	6.2	43.2	46
3/14/2009 20:00	9	2.9	6.5	215	5.3	41.5	47
3/14/2009 21:00	1	2.8	6.3	199	4.2	39.6	54
3/14/2009 22:00	1	2.5	5.6	198	3.7	38.7	54
3/14/2009 23:00	2	1.6	3.6	188	2.0	35.6	56
3/15/2009 0:00	2	2.8	6.3	189	2.8	37.0	49
3/15/2009 1:00	-3	2.9	6.5	176	3.0	37.4	48
3/15/2009 2:00	7	3.5	7.8	191	3.0	37.4	48
3/15/2009 3:00	10	4.5	10.1	195	2.8	37.0	51
3/15/2009 4:00	4	3.4	7.6	185	1.5	34.7	67
3/15/2009 5:00	1	3.0	6.7	187	1.6	34.9	67
3/15/2009 6:00	2	2.8	6.3	168	1.3	34.3	66
3/15/2009 7:00	11	2.8	6.3	167	1.3	34.3	68
3/15/2009 8:00	-5	3.0	6.7	183	2.2	36.0	62
3/15/2009 9:00	-4	5.3	11.9	209	4.7	40.5	50
3/15/2009 10:00	0	5.3	11.9	206	6.4	43.5	42
3/15/2009 11:00	5	5.8	13.0	214	7.5	45.5	37
3/15/2009 12:00	5	7.0	15.7	223	8.0	46.4	35
3/15/2009 13:00	12	7.7	17.2	227	8.4	47.1	34
3/15/2009 14:00	18	6.9	15.4	235	8.5	47.3	37
3/15/2009 15:00	9	6.7	15.0	235	7.5	45.5	45
3/15/2009 16:00	5	5.5	12.3	229	6.2	43.2	55
3/15/2009 17:00	2	4.2	9.4	211	5.1	41.2	65
3/15/2009 18:00	5	3.2	7.2	196	5.2	41.4	67
3/15/2009 19:00	-5	1.9	4.3	219	4.2	39.6	69
3/15/2009 20:00	3	3.8	8.5	195	5.2	41.4	63

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/15/2009 21:00	5	3.8	8.5	201	4.7	40.5	70
3/15/2009 22:00	-5	3.5	7.8	204	3.8	38.8	77
3/15/2009 23:00	15	3.4	7.6	196	3.7	38.7	80
3/16/2009 0:00	7	4.8	10.7	218	4.4	39.9	77
3/16/2009 1:00	-3	2.1	4.7	27	1.1	34.0	88
3/16/2009 2:00	12	0.9	2.0	68	0.9	33.6	88
3/16/2009 3:00	-5	1.5	3.4	282	1.2	34.2	78
3/16/2009 4:00	-4	1.6	3.6	316	0.2	32.4	83
3/16/2009 5:00	-5	2.8	6.3	273	0.4	32.7	79
3/16/2009 6:00	14	1.1	2.5	204	-0.2	31.6	85
3/16/2009 7:00	-5	0.9	2.0	138	0.0	32.0	86
3/16/2009 8:00	12	1.4	3.1	181	-0.1	31.8	90
3/16/2009 9:00	1	0.9	2.0	355	-0.8	30.6	89
3/16/2009 10:00	4	0.8	1.8	11	-1.5	29.3	89
3/16/2009 11:00	18	0.5	1.1	9	-0.2	31.6	89
3/16/2009 12:00	-3	1.0	2.2	13	-0.3	31.5	86
3/16/2009 13:00	25	1.6	3.6	11	-1.4	29.5	87
3/16/2009 14:00	8	0.6	1.3	73	-0.6	30.9	85
3/16/2009 15:00	-5	1.1	2.5	131	1.0	33.8	81
3/16/2009 16:00	0	1.5	3.4	307	0.4	32.7	78
3/16/2009 17:00	-2	2.4	5.4	253	0.2	32.4	73
3/16/2009 18:00	-5	3.8	8.5	240	0.3	32.5	69
3/16/2009 19:00	8	2.5	5.6	227	-0.5	31.1	68
3/16/2009 20:00	1	2.0	4.5	195	-2.3	27.9	74
3/16/2009 21:00	5	2.3	5.1	173	-3.1	26.4	77
3/16/2009 22:00	-5	3.1	6.9	211	-1.7	28.9	72
3/16/2009 23:00	10	2.7	6.0	201	-1.7	28.9	70
3/17/2009 0:00	-5	1.8	4.0	172	-2.5	27.5	73
3/17/2009 1:00	-5	1.3	2.9	150	-3.0	26.6	74
3/17/2009 2:00	5	1.4	3.1	170	-3.3	26.1	73
3/17/2009 3:00	6	1.1	2.5	122	-6.6	20.1	78
3/17/2009 4:00	-5	1.3	2.9	129	-5.4	22.3	77
3/17/2009 5:00	9	1.9	4.3	254	-3.4	25.9	70
3/17/2009 6:00	15	2.3	5.1	250	-2.6	27.3	65
3/17/2009 7:00	-5	1.2	2.7	289	-7.7	18.1	78
3/17/2009 8:00	13	1.5	3.4	182	-6.7	19.9	74
3/17/2009 9:00	-5	1.6	3.6	180	-4.5	23.9	64
3/17/2009 10:00	4	1.8	4.0	195	-0.8	30.6	56
3/17/2009 11:00	7	2.1	4.7	260	1.4	34.5	54
3/17/2009 12:00	7	2.6	5.8	255	2.6	36.7	53
3/17/2009 13:00	-5	3.9	8.7	254	1.9	35.4	54
3/17/2009 14:00	3	3.3	7.4	270	2.6	36.7	54
3/17/2009 15:00	5	1.5	3.4	79	3.6	38.5	50
3/17/2009 16:00	-5	2.5	5.6	297	3.7	38.7	52
3/17/2009 17:00	6	1.7	3.8	85	3.0	37.4	54
3/17/2009 18:00	-5	2.4	5.4	281	2.7	36.9	54
3/17/2009 19:00	-2	2.8	6.3	260	1.8	35.2	56
3/17/2009 20:00	7	2.6	5.8	256	0.9	33.6	60
3/17/2009 21:00	1	1.6	3.6	218	-1.3	29.7	68
3/17/2009 22:00	0	1.5	3.4	186	-2.5	27.5	69
3/17/2009 23:00	12	1.0	2.2	134	-3.2	26.2	74
3/18/2009 0:00	1	0.7	1.6	173	-5.4	22.3	77
3/18/2009 1:00	8	0.9	2.0	200	-7.1	19.2	78
3/18/2009 2:00	-5	1.1	2.5	78	-4.7	23.5	76
3/18/2009 3:00	-3	1.3	2.9	232	-5.3	22.5	80
3/18/2009 4:00	-5	0.8	1.8	229	-6.7	19.9	86
3/18/2009 5:00	-5	0.9	2.0	186	-7.1	19.2	87
3/18/2009 6:00	11	1.3	2.9	219	-7.1	19.2	81
3/18/2009 7:00	-5	1.9	4.3	206	-6.8	19.8	76
3/18/2009 8:00	7	2.0	4.5	195	-6.7	19.9	71
3/18/2009 9:00	7	2.2	4.9	196	-3.9	25.0	60
3/18/2009 10:00	-5	2.6	5.8	175	-1.6	29.1	59
3/18/2009 11:00	14	2.2	4.9	177	1.3	34.3	54
3/18/2009 12:00	15	1.6	3.6	95	4.5	40.1	48
3/18/2009 13:00	3	1.9	4.3	1	2.6	36.7	60
3/18/2009 14:00	11	1.6	3.6	1	3.7	38.7	54
3/18/2009 15:00	7	1.8	4.0	2	4.9	40.8	52
3/18/2009 16:00	-4	2.2	4.9	344	4.4	39.9	54
3/18/2009 17:00	8	1.8	4.0	356	3.8	38.8	60
3/18/2009 18:00	5	1.4	3.1	6	3.6	38.5	62
3/18/2009 19:00	11	1.0	2.2	345	2.2	36.0	70
3/18/2009 20:00	6	0.7	1.6	238	0.9	33.6	78
3/18/2009 21:00	12	1.2	2.7	195	1.0	33.8	78
3/18/2009 22:00	10	1.2	2.7	191	0.6	33.1	78
3/18/2009 23:00	5	1.5	3.4	202	-0.1	31.8	77
3/19/2009 0:00	0	1.7	3.8	174	-1.2	29.8	77
3/19/2009 1:00	12	0.8	1.8	327	-2.3	27.9	81
3/19/2009 2:00	21	0.6	1.3	251	-4.1	24.6	87
3/19/2009 3:00	9	1.1	2.5	200	-5.2	22.6	87
3/19/2009 4:00	6	1.1	2.5	170	-6.4	20.5	85
3/19/2009 5:00	-1	0.7	1.6	203	-6.2	20.8	86
3/19/2009 6:00	3	0.6	1.3	81	-5.3	22.5	84
3/19/2009 7:00	7	0.7	1.6	290	-6.7	19.9	86
3/19/2009 8:00	-4	0.8	1.8	255	-5.9	21.4	83
3/19/2009 9:00	-5	1.3	2.9	188	-0.6	30.9	68
3/19/2009 10:00	13	2.2	4.9	172	3.3	37.9	60
3/19/2009 11:00	13	3.1	6.9	171	6.4	43.5	52
3/19/2009 12:00	9	2.8	6.3	172	7.9	46.2	48
3/19/2009 13:00	1	2.6	5.8	158	8.5	47.3	49
3/19/2009 14:00	3	2.6	5.8	182	10.2	50.4	44

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/19/2009 15:00	17	2.1	4.7	221	11.8	53.2	40
3/19/2009 16:00	0	3.1	6.9	221	11.0	51.8	43
3/19/2009 17:00	9	1.5	3.4	211	10.3	50.5	54
3/19/2009 18:00	-3	1.1	2.5	172	8.6	47.5	60
3/19/2009 19:00	4	1.0	2.2	238	6.9	44.4	65
3/19/2009 20:00	-4	1.0	2.2	152	4.0	39.2	78
3/19/2009 21:00	0	0.9	2.0	125	3.1	37.6	81
3/19/2009 22:00	1	1.5	3.4	175	4.5	40.1	74
3/19/2009 23:00	16	1.0	2.2	229	3.4	38.1	77
3/20/2009 0:00	5	1.1	2.5	174	1.8	35.2	83
3/20/2009 1:00	12	0.8	1.8	229	1.7	35.1	82
3/20/2009 2:00	8	1.2	2.7	160	1.6	34.9	83
3/20/2009 3:00	12	1.5	3.4	188	1.7	35.1	81
3/20/2009 4:00	4	1.8	4.0	192	0.9	33.6	81
3/20/2009 5:00	17	1.6	3.6	171	0.7	33.3	81
3/20/2009 6:00	2	1.6	3.6	197	-0.7	30.7	83
3/20/2009 7:00	6	0.9	2.0	186	-1.3	29.7	84
3/20/2009 8:00	-5	2.0	4.5	186	0.3	32.5	77
3/20/2009 9:00	-5	2.3	5.1	190	3.2	37.8	68
3/20/2009 10:00	9	2.1	4.7	183	6.2	43.2	62
3/20/2009 11:00	4	2.4	5.4	191	9.4	48.9	53
3/20/2009 12:00	9	2.4	5.4	198	11.7	53.1	43
3/20/2009 13:00	9	3.1	6.9	188	12.8	55.0	37
3/20/2009 14:00	9	2.7	6.0	181	13.7	56.7	32
3/20/2009 15:00	9	3.8	8.5	203	14.5	58.1	32
3/20/2009 16:00	10	4.6	10.3	215	14.8	58.6	30
3/20/2009 17:00	1	4.4	9.8	220	14.6	58.3	29
3/20/2009 18:00	-5	2.9	6.5	225	13.8	56.8	31
3/20/2009 19:00	1	1.1	2.5	154	10.0	50.0	47
3/20/2009 20:00	1	1.2	2.7	180	6.0	42.8	57
3/20/2009 21:00	3	2.3	5.1	213	5.4	41.7	61
3/20/2009 22:00	11	1.8	4.0	196	3.8	38.8	66
3/20/2009 23:00	-2	1.5	3.4	198	3.6	38.5	66
3/21/2009 0:00	10	1.5	3.4	211	4.2	39.6	65
3/21/2009 1:00	6	1.7	3.8	229	4.4	39.9	64
3/21/2009 2:00	11	1.9	4.3	209	2.7	36.9	71
3/21/2009 3:00	2	1.8	4.0	209	2.7	36.9	71
3/21/2009 4:00	7	2.1	4.7	203	2.9	37.2	69
3/21/2009 5:00	6	1.2	2.7	229	2.3	36.1	72
3/21/2009 6:00	9	1.7	3.8	99	3.4	38.1	72
3/21/2009 7:00	3	1.3	2.9	14	2.0	35.6	76
3/21/2009 8:00	17	1.3	2.9	303	2.0	35.6	76
3/21/2009 9:00	-1	1.9	4.3	155	3.6	38.5	71
3/21/2009 10:00	3	1.6	3.6	169	6.0	42.8	61
3/21/2009 11:00	8	1.7	3.8	186	8.7	47.7	55
3/21/2009 12:00	8	1.1	2.5	150	9.8	49.6	53
3/21/2009 13:00	2	2.7	6.0	161	12.4	54.3	49
3/21/2009 14:00	-2	3.5	7.8	146	13.7	56.7	47
3/21/2009 15:00	3	3.6	8.1	148	13.3	55.9	49
3/21/2009 16:00	-4	3.2	7.2	167	10.0	50.0	65
3/21/2009 17:00	9	3.2	7.2	154	7.8	46.0	75
3/21/2009 18:00	2	3.1	6.9	159	7.8	46.0	74
3/21/2009 19:00	7	3.0	6.7	193	7.0	44.6	77
3/21/2009 20:00	2	3.0	6.7	188	5.8	42.4	78
3/21/2009 21:00	4	1.6	3.6	207	4.8	40.6	80
3/21/2009 22:00	-5	1.5	3.4	179	3.6	38.5	83
3/21/2009 23:00	3	1.1	2.5	208	2.5	36.5	86
3/22/2009 0:00	-5	0.9	2.0	289	1.5	34.7	88
3/22/2009 1:00	0	0.6	1.3	133	1.3	34.3	90
3/22/2009 2:00	-5	1.2	2.7	181	1.9	35.4	89
3/22/2009 3:00	-1	2.1	4.7	182	3.4	38.1	89
3/22/2009 4:00	18	1.4	3.1	170	3.0	37.4	86
3/22/2009 5:00	-5	1.4	3.1	218	2.0	35.6	88
3/22/2009 6:00	4	1.2	2.7	172	2.4	36.3	86
3/22/2009 7:00	-5	1.2	2.7	201	2.1	35.8	84
3/22/2009 8:00	-5	0.9	2.0	5	1.3	34.3	89
3/22/2009 9:00	-5	0.8	1.8	348	3.2	37.8	84
3/22/2009 10:00	-4	1.2	2.7	6	5.2	41.4	77
3/22/2009 11:00	BA	1.4	3.1	31	6.8	44.2	72
3/22/2009 12:00	16	1.5	3.4	22	6.3	43.3	66
3/22/2009 13:00	11	1.9	4.3	15	7.1	44.8	63
3/22/2009 14:00	2	2.1	4.7	15	7.0	44.6	58
3/22/2009 15:00	-2	2.4	5.4	348	6.7	44.1	59
3/22/2009 16:00	-2	2.1	4.7	16	6.5	43.7	55
3/22/2009 17:00	-5	2.4	5.4	335	6.0	42.8	56
3/22/2009 18:00	0	1.7	3.8	345	6.1	43.0	54
3/22/2009 19:00	3	1.2	2.7	315	4.9	40.8	60
3/22/2009 20:00	-4	0.9	2.0	73	4.2	39.6	62
3/22/2009 21:00	-5	1.6	3.6	349	4.0	39.2	66
3/22/2009 22:00	-3	2.9	6.5	341	1.9	35.4	77
3/22/2009 23:00	8	AO	AO	AO	-1.1	30.0	90
3/23/2009 0:00	3	AO	AO	AO	-1.8	28.8	89
3/23/2009 1:00	7	AO	AO	AO	-2.3	27.9	88
3/23/2009 2:00	11	AO	AO	AO	-2.7	27.1	87
3/23/2009 3:00	1	AO	AO	AO	-3.0	26.6	88
3/23/2009 4:00	3	AO	AO	AO	-3.0	26.6	88
3/23/2009 5:00	19	AO	AO	AO	-3.1	26.4	87
3/23/2009 6:00	14	AO	AO	AO	-3.3	26.1	87
3/23/2009 7:00	22	AO	AO	AO	-3.6	25.5	88
3/23/2009 8:00	10	AO	AO	AO	-3.0	26.6	86

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/23/2009 9:00	2	AO	AO	AO	-1.3	29.7	83
3/23/2009 10:00	-5	AO	AO	AO	-0.1	31.8	80
3/23/2009 11:00	3	1.2	2.7	41	1.0	33.8	75
3/23/2009 12:00	-5	1.4	3.1	45	1.5	34.7	73
3/23/2009 13:00	11	1.2	2.7	81	2.2	36.0	67
3/23/2009 14:00	-5	1.4	3.1	60	2.9	37.2	64
3/23/2009 15:00	-4	1.7	3.8	44	3.0	37.4	65
3/23/2009 16:00	0	2.1	4.7	44	2.4	36.3	66
3/23/2009 17:00	1	1.8	4.0	56	2.2	36.0	65
3/23/2009 18:00	-5	1.6	3.6	73	2.3	36.1	63
3/23/2009 19:00	16	1.2	2.7	65	1.5	34.7	65
3/23/2009 20:00	2	1.3	2.9	55	0.4	32.7	67
3/23/2009 21:00	3	1.1	2.5	53	-0.2	31.6	67
3/23/2009 22:00	11	0.9	2.0	357	-1.9	28.6	72
3/23/2009 23:00	-5	1.2	2.7	328	-3.9	25.0	80
3/24/2009 0:00	-5	1.3	2.9	324	-5.2	22.6	81
3/24/2009 1:00	-5	0.9	2.0	324	-6.2	20.8	83
3/24/2009 2:00	-5	0.8	1.8	339	-6.4	20.5	84
3/24/2009 3:00	4	0.8	1.8	298	-7.6	18.3	84
3/24/2009 4:00	-5	0.9	2.0	308	-8.4	16.9	84
3/24/2009 5:00	19	0.7	1.6	265	-8.7	16.3	86
3/24/2009 6:00	-5	0.7	1.6	243	-8.8	16.2	87
3/24/2009 7:00	17	0.8	1.8	174	-7.0	19.4	85
3/24/2009 8:00	4	1.2	2.7	185	-5.1	22.8	78
3/24/2009 9:00	-5	1.8	4.0	198	-2.9	26.8	67
3/24/2009 10:00	5	2.0	4.5	211	-0.4	31.3	57
3/24/2009 11:00	11	1.5	3.4	306	-0.4	31.3	63
3/24/2009 12:00	-5	1.5	3.4	353	-0.4	31.3	70
3/24/2009 13:00	6	1.4	3.1	12	1.9	35.4	59
3/24/2009 14:00	7	1.9	4.3	356	3.1	37.6	55
3/24/2009 15:00	1	1.6	3.6	3	3.2	37.8	54
3/24/2009 16:00	-4	1.6	3.6	353	2.7	36.9	57
3/24/2009 17:00	6	1.3	2.9	343	2.4	36.3	60
3/24/2009 18:00	14	1.8	4.0	309	1.5	34.7	64
3/24/2009 19:00	-5	1.1	2.5	320	-1.2	29.8	80
3/24/2009 20:00	-5	1.0	2.2	321	-2.1	28.2	84
3/24/2009 21:00	17	0.7	1.6	223	-2.3	27.9	85
3/24/2009 22:00	7	2.3	5.1	246	-1.8	28.8	78
3/24/2009 23:00	-5	2.9	6.5	245	-1.4	29.5	71
3/25/2009 0:00	-5	2.1	4.7	219	-1.9	28.6	71
3/25/2009 1:00	-5	1.8	4.0	208	-1.9	28.6	68
3/25/2009 2:00	-5	1.2	2.7	191	-1.7	28.9	68
3/25/2009 3:00	-5	1.3	2.9	228	-1.8	28.8	66
3/25/2009 4:00	1	1.7	3.8	217	-1.7	28.9	68
3/25/2009 5:00	-5	3.2	7.2	199	-1.5	29.3	69
3/25/2009 6:00	-5	2.2	4.9	207	-1.3	29.7	67
3/25/2009 7:00	-5	1.8	4.0	206	-1.9	28.6	70
3/25/2009 8:00	-5	3.2	7.2	254	-1.4	29.5	65
3/25/2009 9:00	-5	2.3	5.1	279	0.0	32.0	53
3/25/2009 10:00	-5	2.9	6.5	298	0.8	33.4	49
3/25/2009 11:00	4	3.4	7.6	328	1.2	34.2	49
3/25/2009 12:00	7	2.2	4.9	319	1.5	34.7	49
3/25/2009 13:00	2	2.1	4.7	50	0.5	32.9	61
3/25/2009 14:00	8	2.0	4.5	44	-1.1	30.0	70
3/25/2009 15:00	1	1.3	2.9	46	-1.0	30.2	65
3/25/2009 16:00	3	2.0	4.5	117	1.4	34.5	50
3/25/2009 17:00	1	2.8	6.3	14	-1.9	28.6	71
3/25/2009 18:00	53	4.8	10.7	341	-4.7	23.5	76
3/25/2009 19:00	4	5.7	12.8	327	-6.8	19.8	73
3/25/2009 20:00	2	4.8	10.7	330	-8.2	17.2	68
3/25/2009 21:00	13	4.1	9.2	339	-9.0	15.8	64
3/25/2009 22:00	-5	4.3	9.6	331	-9.9	14.2	66
3/25/2009 23:00	5	3.8	8.5	341	-10.5	13.1	60
3/26/2009 0:00	0	2.8	6.3	339	-11.0	12.2	60
3/26/2009 1:00	16	1.9	4.3	340	-11.1	12.0	63
3/26/2009 2:00	6	2.2	4.9	331	-11.2	11.8	65
3/26/2009 3:00	12	1.7	3.8	0	-11.6	11.1	66
3/26/2009 4:00	6	1.9	4.3	313	-13.1	8.4	69
3/26/2009 5:00	1	2.2	4.9	313	-13.2	8.2	70
3/26/2009 6:00	3	1.9	4.3	324	-13.7	7.3	70
3/26/2009 7:00	8	1.2	2.7	325	-15.2	4.6	75
3/26/2009 8:00	-5	1.1	2.5	359	-12.7	9.1	66
3/26/2009 9:00	-5	1.7	3.8	4	-10.4	13.3	54
3/26/2009 10:00	-1	1.8	4.0	13	-8.9	16.0	46
3/26/2009 11:00	8	2.6	5.8	333	-8.6	16.5	46
3/26/2009 12:00	-3	2.4	5.4	330	-7.8	18.0	45
3/26/2009 13:00	-5	1.9	4.3	348	-6.6	20.1	42
3/26/2009 14:00	7	1.9	4.3	327	-5.6	21.9	42
3/26/2009 15:00	-1	1.5	3.4	345	-4.3	24.3	41
3/26/2009 16:00	8	1.5	3.4	350	-3.2	26.2	40
3/26/2009 17:00	2	1.2	2.7	174	-2.6	27.3	37
3/26/2009 18:00	-5	1.1	2.5	9	-2.8	27.0	39
3/26/2009 19:00	0	1.0	2.2	352	-5.1	22.8	51
3/26/2009 20:00	11	0.7	1.6	2	-7.4	18.7	65
3/26/2009 21:00	2	0.3	0.7	7	-8.9	16.0	73
3/26/2009 22:00	2	0.6	1.3	197	-10.6	12.9	82
3/26/2009 23:00	-5	1.3	2.9	181	-9.5	14.9	74
3/27/2009 0:00	10	1.6	3.6	174	-9.7	14.5	72
3/27/2009 1:00	3	1.9	4.3	193	-9.9	14.2	72
3/27/2009 2:00	7	2.3	5.1	182	-10.1	13.8	72

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/27/2009 3:00	-5	2.9	6.5	172	-10.3	13.5	71
3/27/2009 4:00	-5	2.6	5.8	172	-10.2	13.6	70
3/27/2009 5:00	4	2.9	6.5	175	-9.4	15.1	67
3/27/2009 6:00	5	3.6	8.1	192	-8.1	17.4	61
3/27/2009 7:00	3	3.0	6.7	205	-7.6	18.3	61
3/27/2009 8:00	3	1.8	4.0	320	-7.5	18.5	64
3/27/2009 9:00	-5	1.3	2.9	1	-7.3	18.9	66
3/27/2009 10:00	-4	1.4	3.1	219	-5.0	23.0	57
3/27/2009 11:00	-1	4.0	8.9	209	-1.1	30.0	42
3/27/2009 12:00	-5	1.6	3.6	7	0.8	33.4	43
3/27/2009 13:00	12	2.0	4.5	360	3.2	37.8	38
3/27/2009 14:00	0	2.0	4.5	6	3.5	38.3	40
3/27/2009 15:00	9	2.5	5.6	297	5.6	42.1	34
3/27/2009 16:00	4	1.8	4.0	336	6.6	43.9	33
3/27/2009 17:00	-1	1.7	3.8	1	6.5	43.7	34
3/27/2009 18:00	-5	1.8	4.0	326	5.1	41.2	40
3/27/2009 19:00	-5	4.1	9.2	265	3.0	37.4	47
3/27/2009 20:00	2	2.9	6.5	256	2.2	36.0	50
3/27/2009 21:00	-3	2.4	5.4	226	2.4	36.3	50
3/27/2009 22:00	7	2.2	4.9	233	2.2	36.0	53
3/27/2009 23:00	-3	1.2	2.7	232	0.8	33.4	58
3/28/2009 0:00	4	2.1	4.7	172	1.2	34.2	58
3/28/2009 1:00	-5	2.1	4.7	209	1.1	34.0	57
3/28/2009 2:00	1	2.2	4.9	214	1.3	34.3	57
3/28/2009 3:00	2	3.1	6.9	246	2.1	35.8	55
3/28/2009 4:00	6	2.1	4.7	214	1.7	35.1	55
3/28/2009 5:00	3	2.1	4.7	214	1.7	35.1	57
3/28/2009 6:00	2	1.5	3.4	199	1.6	34.9	59
3/28/2009 7:00	8	1.8	4.0	161	1.1	34.0	63
3/28/2009 8:00	0	2.7	6.0	179	1.8	35.2	60
3/28/2009 9:00	5	2.7	6.0	172	2.6	36.7	56
3/28/2009 10:00	-5	2.4	5.4	211	3.7	38.7	52
3/28/2009 11:00	0	2.3	5.1	221	4.7	40.5	50
3/28/2009 12:00	-4	1.6	3.6	28	4.4	39.9	60
3/28/2009 13:00	-3	1.7	3.8	22	5.1	41.2	59
3/28/2009 14:00	-1	3.1	6.9	292	5.8	42.4	55
3/28/2009 15:00	2	2.5	5.6	288	6.3	43.3	53
3/28/2009 16:00	-2	2.4	5.4	171	6.4	43.5	54
3/28/2009 17:00	-2	1.4	3.1	125	6.3	43.3	54
3/28/2009 18:00	-5	1.6	3.6	195	5.7	42.3	60
3/28/2009 19:00	-2	1.5	3.4	346	3.4	38.1	75
3/28/2009 20:00	14	1.0	2.2	358	1.6	34.9	84
3/28/2009 21:00	3	0.7	1.6	42	1.0	33.8	86
3/28/2009 22:00	10	1.0	2.2	330	0.1	32.2	88
3/28/2009 23:00	-2	AO	AO	AO	0.0	32.0	90
3/29/2009 0:00	26	AO	AO	AO	-0.2	31.6	90
3/29/2009 1:00	101	AO	AO	AO	-0.5	31.1	91
3/29/2009 2:00	13	AO	AO	AO	-0.5	31.1	91
3/29/2009 3:00	18	AO	AO	AO	-0.5	31.1	91
3/29/2009 4:00	4	AO	AO	AO	-0.5	31.1	92
3/29/2009 5:00	-1	AO	AO	AO	-0.5	31.1	92
3/29/2009 6:00	-3	AO	AO	AO	-0.7	30.7	92
3/29/2009 7:00	4	AO	AO	AO	-1.0	30.2	91
3/29/2009 8:00	-4	AO	AO	AO	-0.9	30.4	91
3/29/2009 9:00	7	AO	AO	AO	-0.5	31.1	87
3/29/2009 10:00	-4	1.4	3.1	352	-0.1	31.8	82
3/29/2009 11:00	-3	1.3	2.9	348	0.0	32.0	80
3/29/2009 12:00	2	2.5	5.6	16	-1.1	30.0	82
3/29/2009 13:00	7	3.1	6.9	19	-3.0	26.6	87
3/29/2009 14:00	17	4.7	10.5	358	-3.2	26.2	86
3/29/2009 15:00	42	6.0	13.4	349	-3.8	25.2	86
3/29/2009 16:00	52	6.5	14.5	351	-4.4	24.1	87
3/29/2009 17:00	44	6.2	13.9	353	-5.1	22.8	87
3/29/2009 18:00	36	5.8	13.0	355	-5.7	21.7	86
3/29/2009 19:00	3	5.1	11.4	356	-6.0	21.2	86
3/29/2009 20:00	7	6.1	13.6	353	-6.4	20.5	86
3/29/2009 21:00	3	5.2	11.6	1	-6.5	20.3	83
3/29/2009 22:00	5	3.8	8.5	2	-6.5	20.3	79
3/29/2009 23:00	27	3.1	6.9	355	-6.5	20.3	76
3/30/2009 0:00	15	0.8	1.8	49	-8.0	17.6	77
3/30/2009 1:00	-5	0.9	2.0	152	-9.1	15.6	78
3/30/2009 2:00	1	1.3	2.9	178	-9.3	15.3	81
3/30/2009 3:00	3	0.7	1.6	202	-8.7	16.3	84
3/30/2009 4:00	5	0.7	1.6	291	-9.2	15.4	82
3/30/2009 5:00	4	0.6	1.3	177	-9.3	15.3	83
3/30/2009 6:00	16	0.8	1.8	257	-11.8	10.8	82
3/30/2009 7:00	1	1.2	2.7	188	-12.0	10.4	81
3/30/2009 8:00	-5	1.2	2.7	174	-11.8	10.8	72
3/30/2009 9:00	16	1.6	3.6	173	-8.2	17.2	63
3/30/2009 10:00	3	1.5	3.4	133	-6.0	21.2	64
3/30/2009 11:00	9	1.2	2.7	5	-5.5	22.1	59
3/30/2009 12:00	8	1.4	3.1	20	-4.4	24.1	58
3/30/2009 13:00	13	1.5	3.4	14	-3.6	25.5	58
3/30/2009 14:00	4	1.5	3.4	10	-2.3	27.9	56
3/30/2009 15:00	4	1.5	3.4	18	-1.4	29.5	55
3/30/2009 16:00	8	1.7	3.8	21	-0.7	30.7	56
3/30/2009 17:00	-5	1.7	3.8	358	-2.0	28.4	71
3/30/2009 18:00	-5	1.1	2.5	33	-2.5	27.5	74
3/30/2009 19:00	16	2.5	5.6	290	-1.0	30.2	57
3/30/2009 20:00	-5	4.3	9.6	271	-2.4	27.7	54
3/30/2009 21:00	9	3.3	7.4	269	-3.1	26.4	59

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
3/30/2009 22:00	-2	3.6	8.1	251	-3.1	26.4	64
3/30/2009 23:00	9	3.1	6.9	237	-3.9	25.0	66
3/31/2009 0:00	5	2.5	5.6	234	-4.5	23.9	69
3/31/2009 1:00	-5	2.0	4.5	218	-4.5	23.9	66
3/31/2009 2:00	6	3.4	7.6	244	-4.0	24.8	65
3/31/2009 3:00	1	4.1	9.2	251	-3.1	26.4	63
3/31/2009 4:00	1	4.5	10.1	251	-3.0	26.6	61
3/31/2009 5:00	5	4.4	9.8	249	-2.8	27.0	59
3/31/2009 6:00	9	2.3	5.1	218	-3.3	26.1	62
3/31/2009 7:00	3	2.6	5.8	192	-3.4	25.9	65
3/31/2009 8:00	-2	2.7	6.0	175	-3.0	26.6	63
3/31/2009 9:00	5	4.7	10.5	196	-1.6	29.1	58
3/31/2009 10:00	6	4.6	10.3	201	-1.1	30.0	60
3/31/2009 11:00	2	5.0	11.2	200	-0.5	31.1	58
3/31/2009 12:00	-1	4.5	10.1	186	1.5	34.7	52
3/31/2009 13:00	0	5.0	11.2	192	1.8	35.2	52
3/31/2009 14:00	-5	4.6	10.3	201	1.5	34.7	57
3/31/2009 15:00	2	4.4	9.8	200	1.5	34.7	62
3/31/2009 16:00	-3	2.8	6.3	191	2.4	36.3	57
3/31/2009 17:00	6	2.2	4.9	264	3.3	37.9	49
3/31/2009 18:00	-5	3.0	6.7	281	1.6	34.9	58
3/31/2009 19:00	11	1.5	3.4	2	-0.5	31.1	76
3/31/2009 20:00	-3	1.0	2.2	1	-2.4	27.7	88
3/31/2009 21:00	-5	0.9	2.0	202	-3.0	26.6	89
3/31/2009 22:00	7	0.6	1.3	186	-3.6	25.5	85
3/31/2009 23:00	-5	0.9	2.0	275	-4.9	23.2	80
4/1/2009 0:00	4	0.8	1.8	264	-4.3	24.3	81

AO = Bad Weather  
BA = Routine maintenance / repairs